Testing Report

Project Title: Employee Management System

Project Team: Group 1

Black Box Testing at System Level

Testing Objectives: To ensure our product meets the requirements.

Requirement 1: Login for different categories / level of users.

Requirement Refinement to enable its validation:

> There are three categories of users: employee, manager, and admin.
> The Software should display the corresponding User's Homepage only when the username is valid and he has entered his correct password.

Scenario: User is at the login page.

Inputs: Username, Password, User Category

Users registered currently in the system:

Employee
Username: emp
Password: 000

Manager
Username: man
Password: 0000

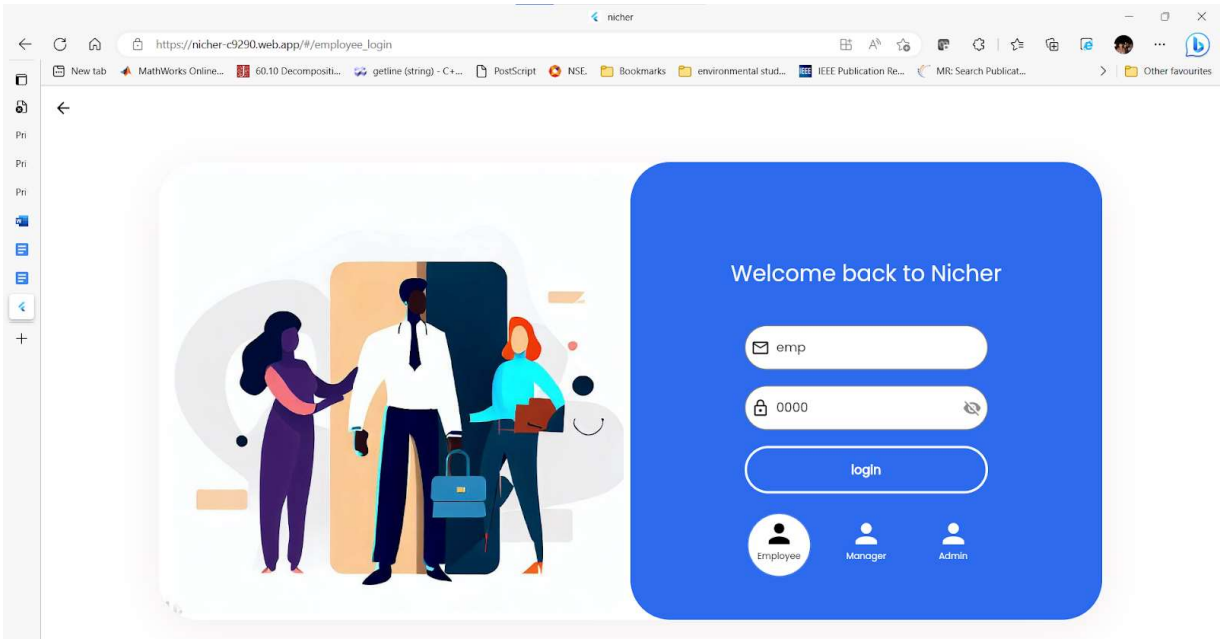
Admin
username: admin
Password: admin

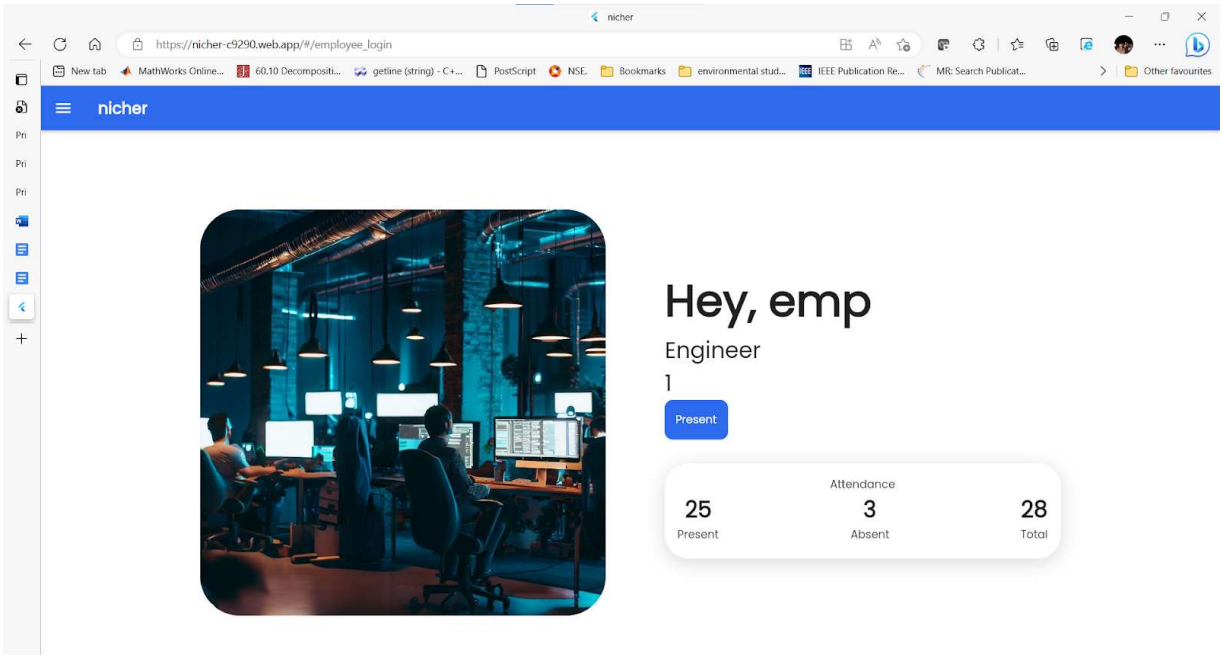
Equivalence Classes:

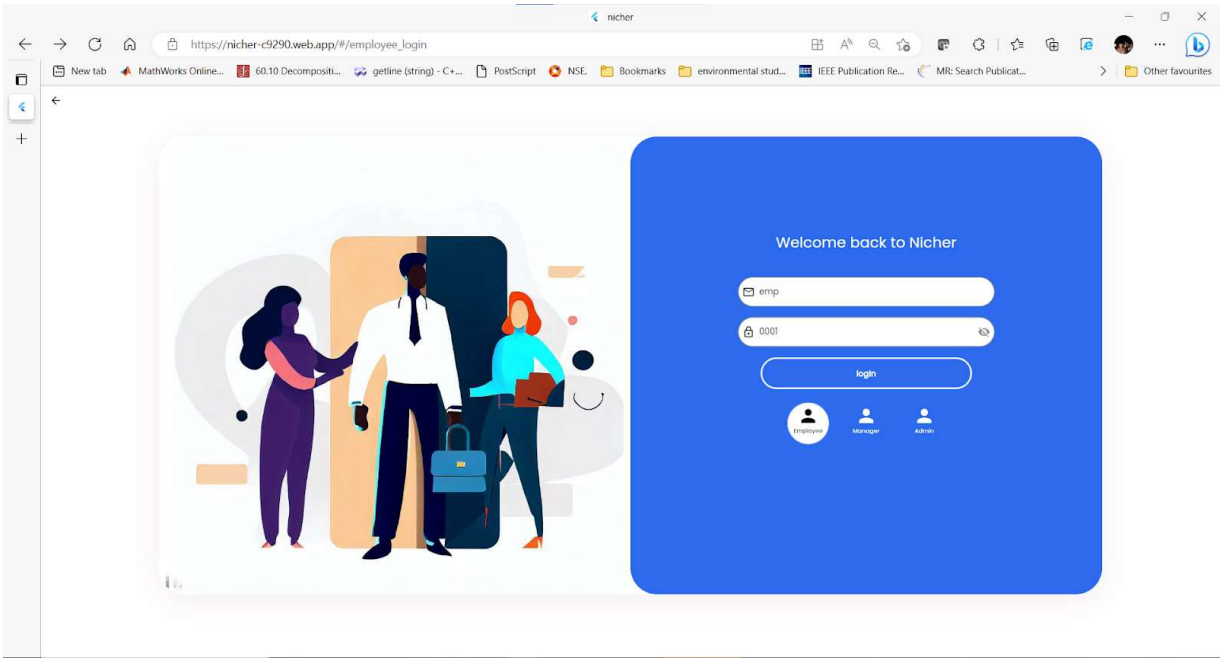
1. Username: Employee, Manager, Admin, Invalid.
2. Password: Valid, Invalid, according to current user.

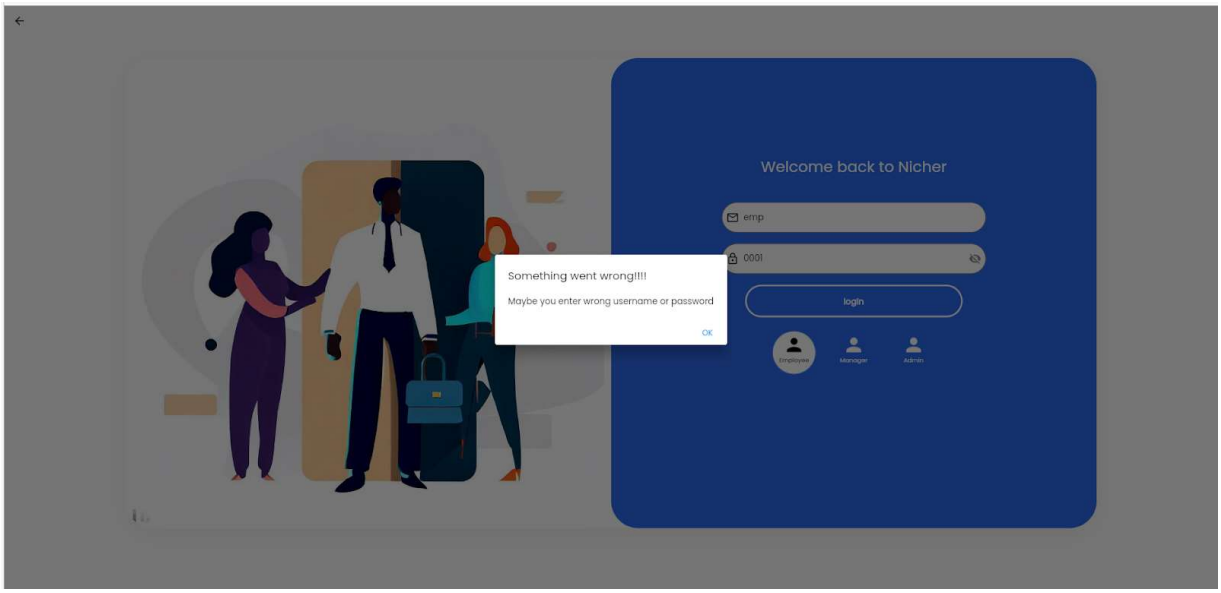
Sr. No.	Username Result	Password	Category	Expected Output	Actual Output	Result
1	emp	0000	Employee	emp Homepage Screen	emp Homepage Screen	Pass
2	emp	0001	Employee	Error	Error	Pass
3.	man	0000	Manager	man homepage screen	man homepage screen	Pass
4.	man	0	Manager	Error	Error	Pass
5.	admin	admin	Admin	admin homescreen	admin Homepage	Pass
6.	admin	ad	Admin	Error	Error	Pass
7.	jon	0	Employee	Error	Error	Pass
8.	jon	0	Manager	Error	Error	Pass
9.	jon	0	admin	Error	Error	Pass
10.		9	Employee	Error	Error	Pass
11		9	Manager	Error	Error	Pass
12.		9	Admin	Error	Error	Pass
13.	emp		Employee	Error	Error	Pass
14.	man		Manager	Error	Error	Pass
15.	admin		Admin	Error	Error	Pass

Snap Shots of the Test Cases:






nicher
https://nicher-c9290.web.app/#/employee_login
Welcome back to Nicher
emp
0001
login
Employee
Manager
Admin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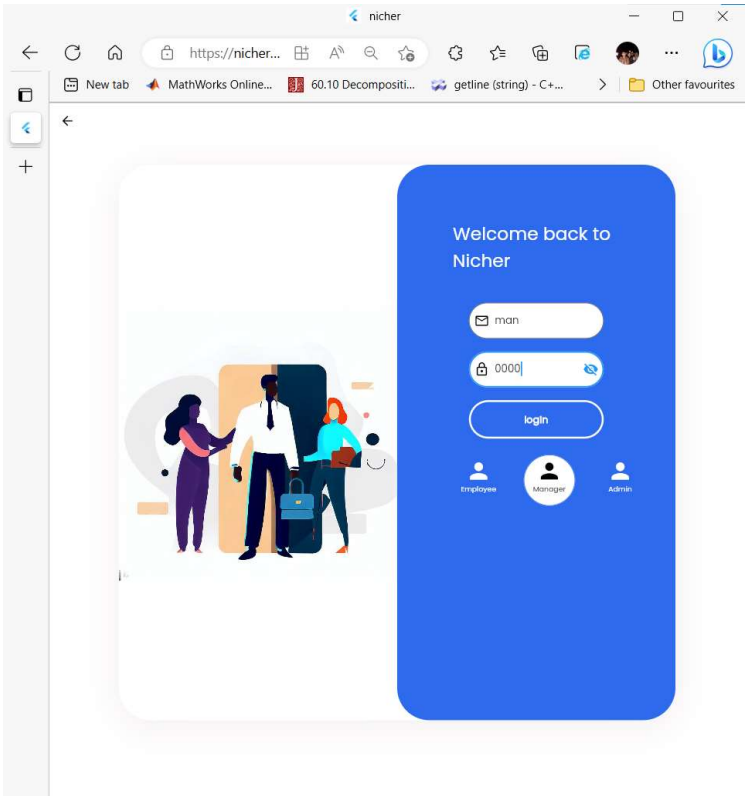
emp
0001
login
Something went wrong!!!!
Maybe you enter wrong username or password
OK

3.


nicher
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New tab
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getline (string) - C+...
Other favourites
Welcome back to Nicher
man
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Employee
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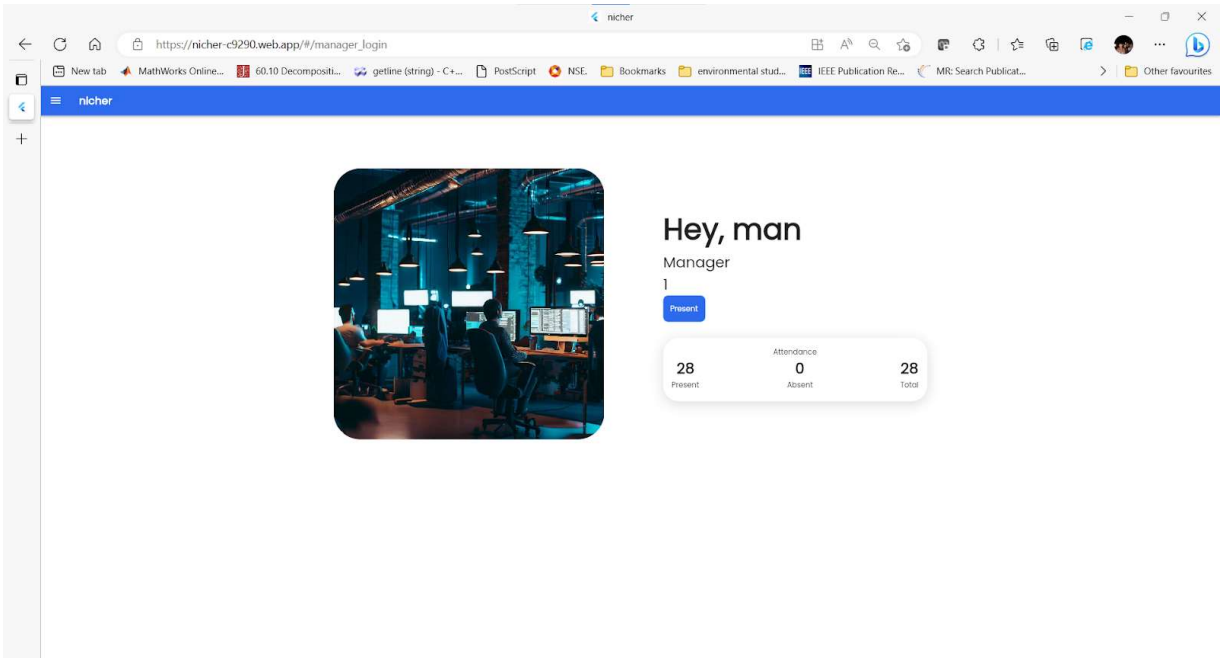
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Hey, man
Manager
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Present
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Present
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Absent
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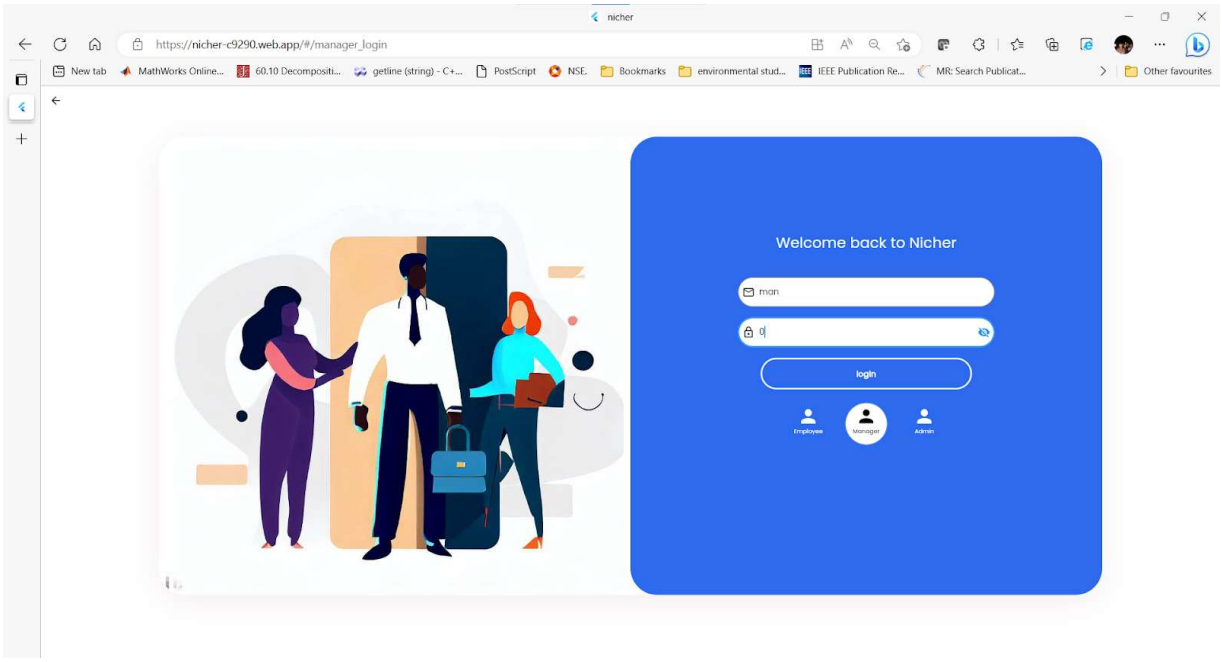
Total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Welcome back to Nicher
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login
Employee
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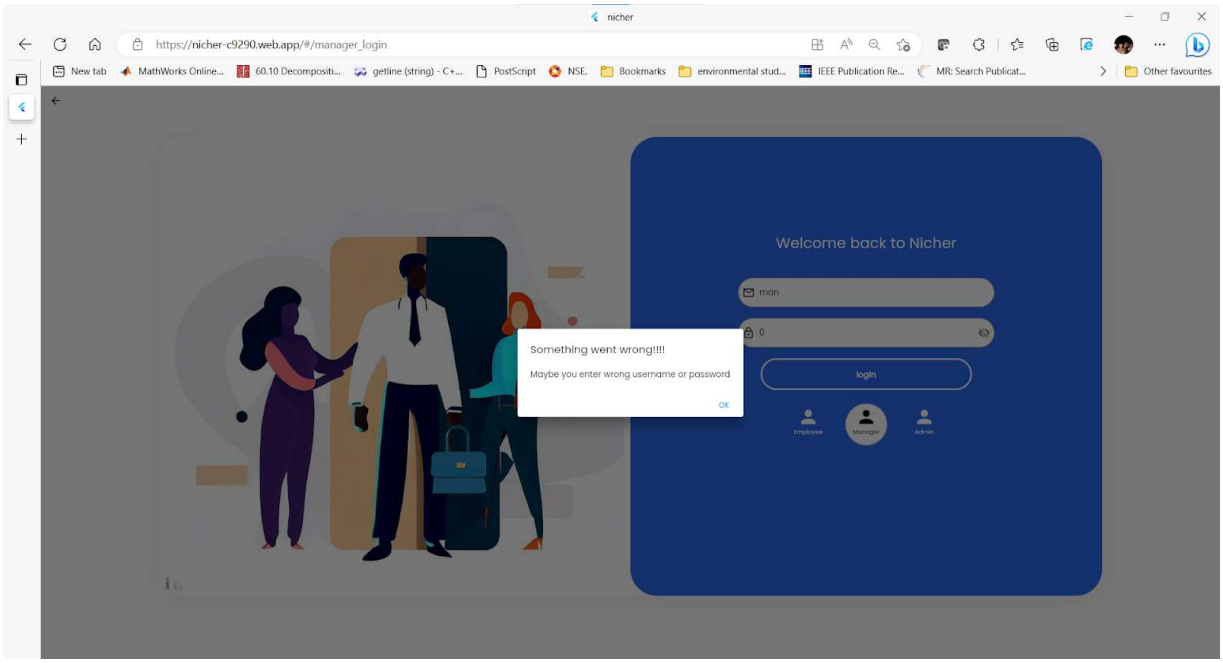
Admin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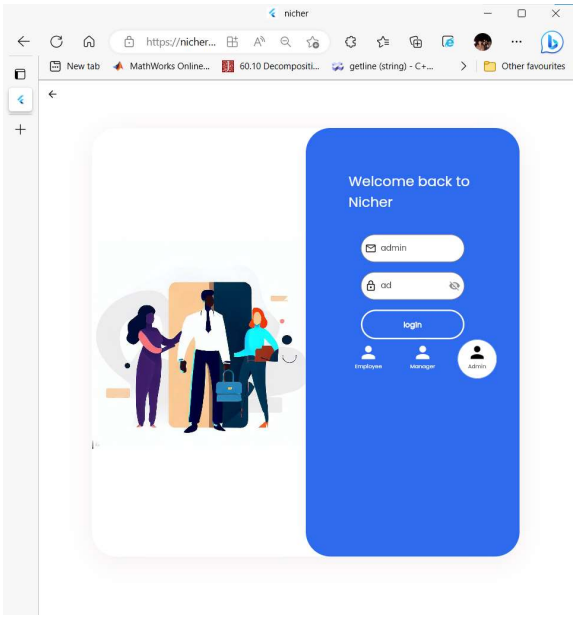
man
login
Something went wrong!!!!
Maybe you enter wrong username or password
OK
Employee
Manager
Admin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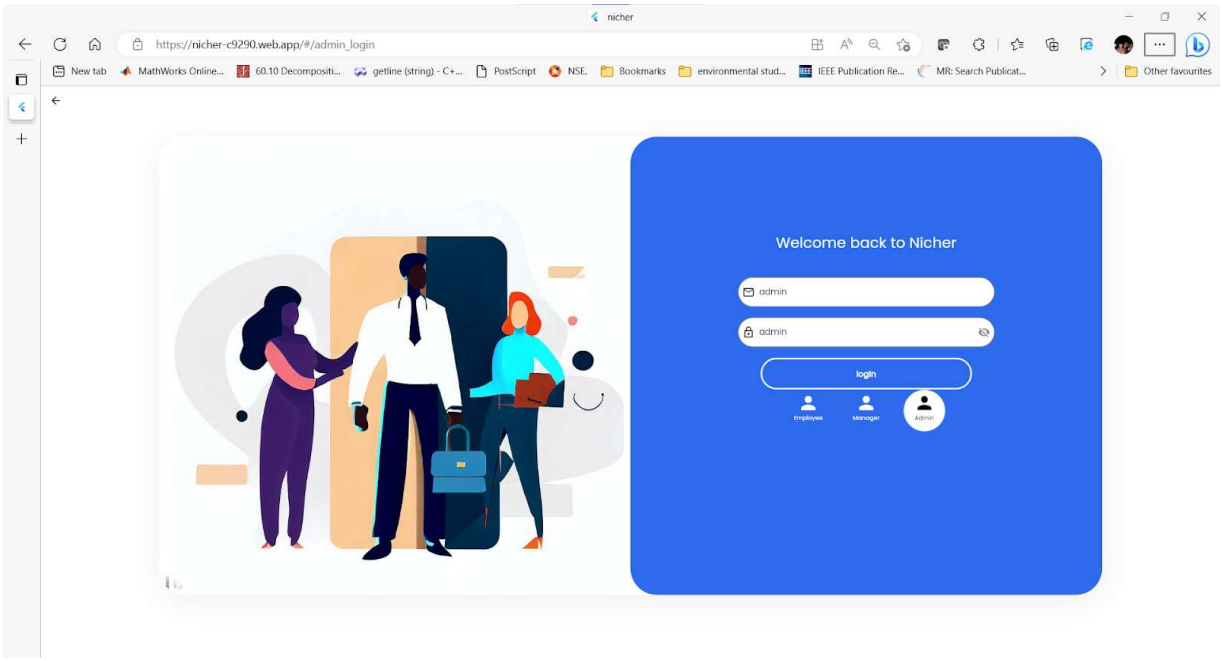
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PostScript
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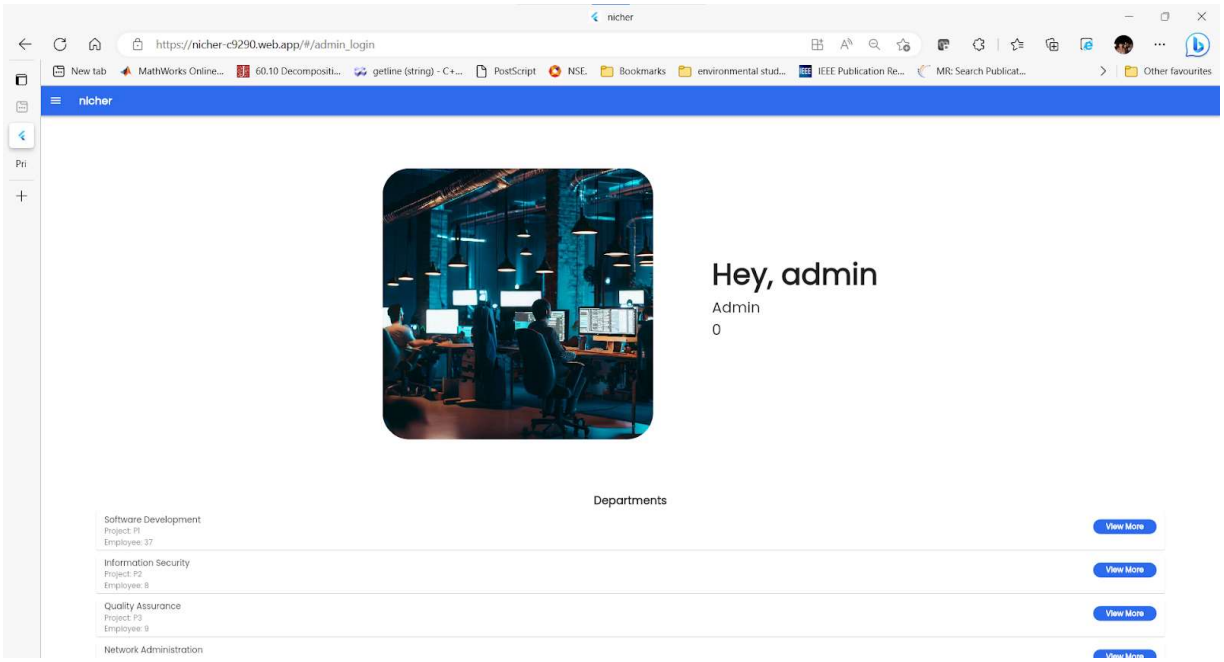
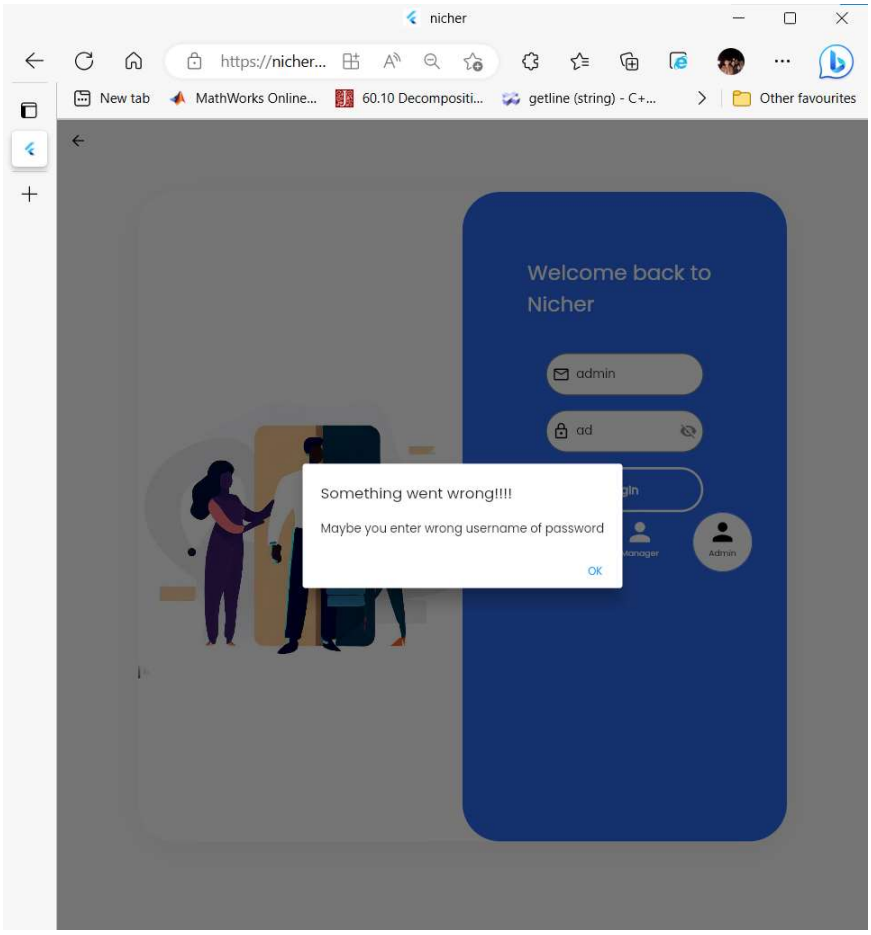
Other favourites
Welcome back to Nicher
admin
admin
login
Employee
Manager
Admin


nicher
https://nicher-c9290.web.app/#/admin_login
nicher
Hey, admin
Admin
0
Departments
Software Development
Project: P1
Employee: 37
View More
Information Security
Project: P2
Employee: 8
View More
Quality Assurance
Project: P3
Employee: 9
View More
Network Administration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Other favourites
Welcome back to Nicher
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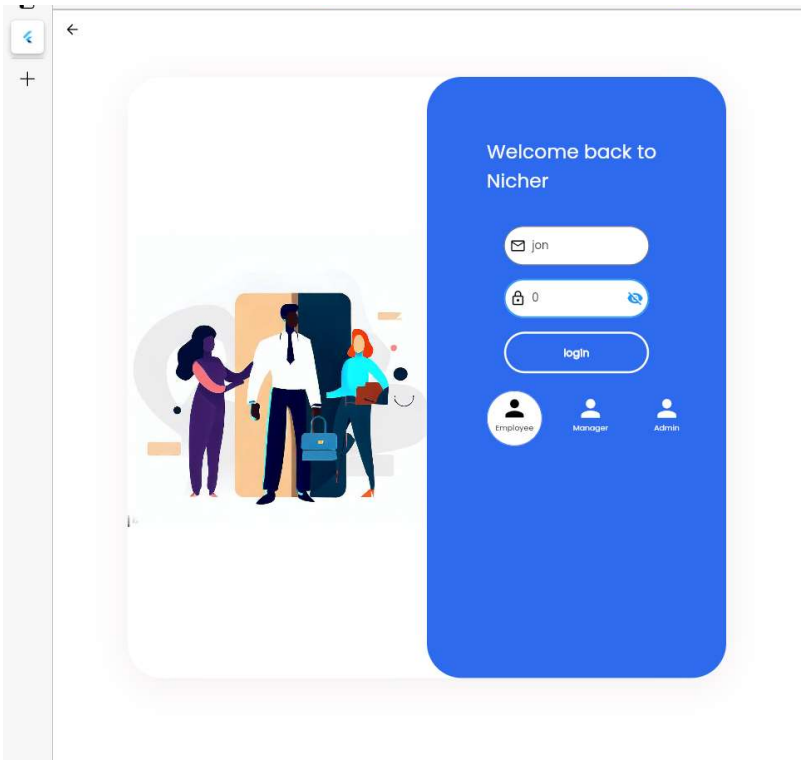
ad
Something went wrong!!!!
Maybe you enter wrong username of password
OK
Admin


Welcome back to Nicher
jon
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login
Employee
Manager
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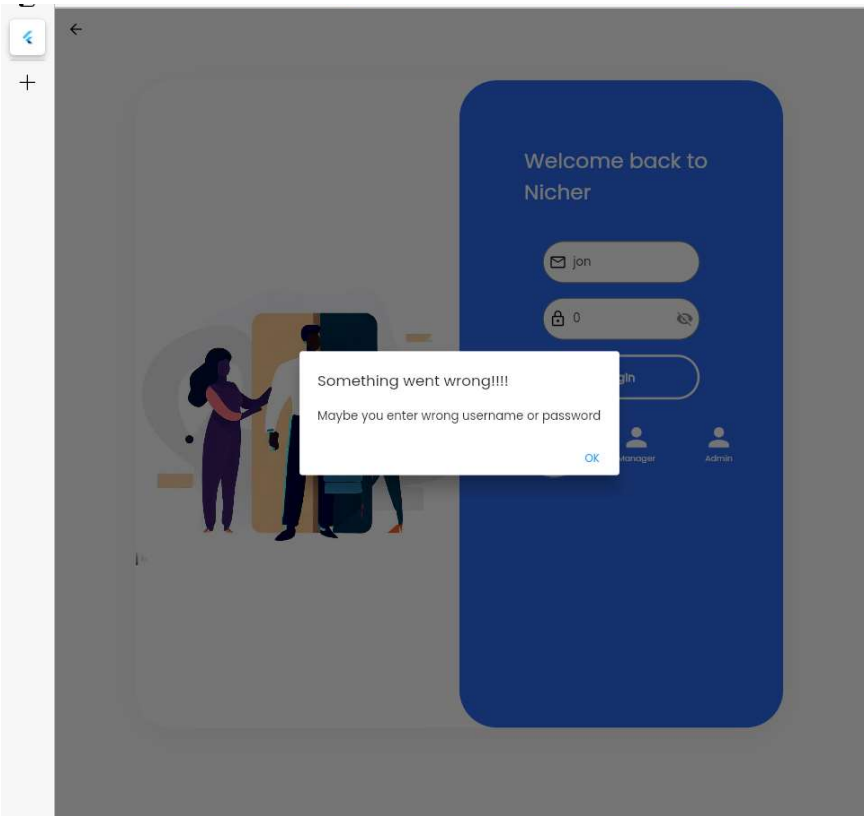
Welcome back to Nicher
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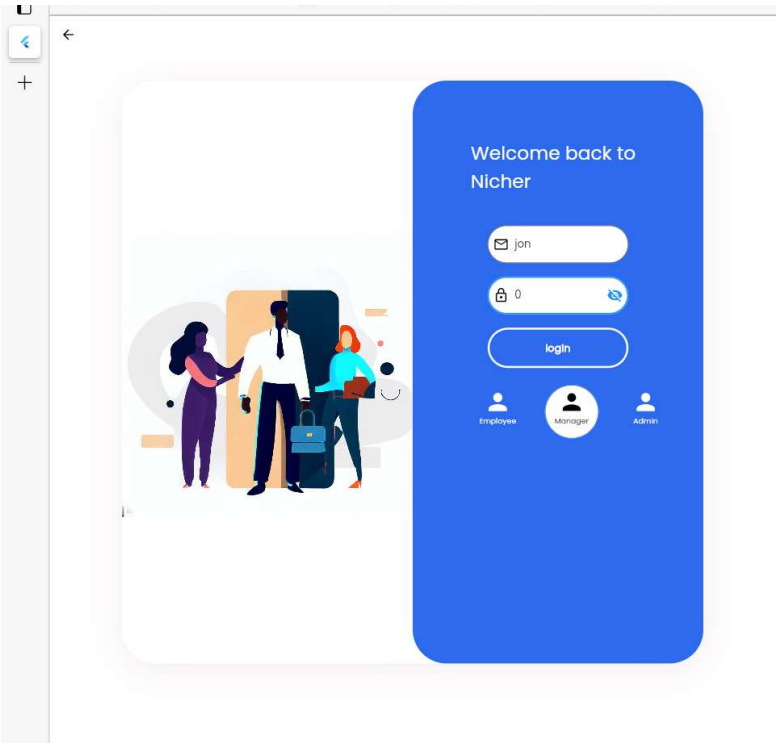
Something went wrong!!!!
Maybe you enter wrong username or password
OK
Manager
Admin


Welcome back to Nicher
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Employee
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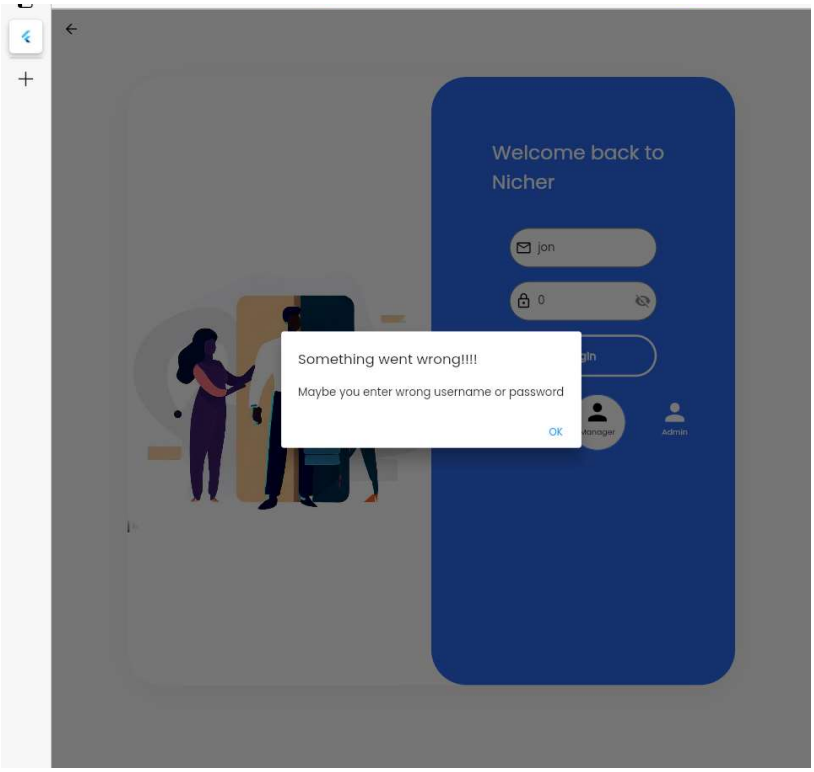
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Maybe you enter wrong username or password
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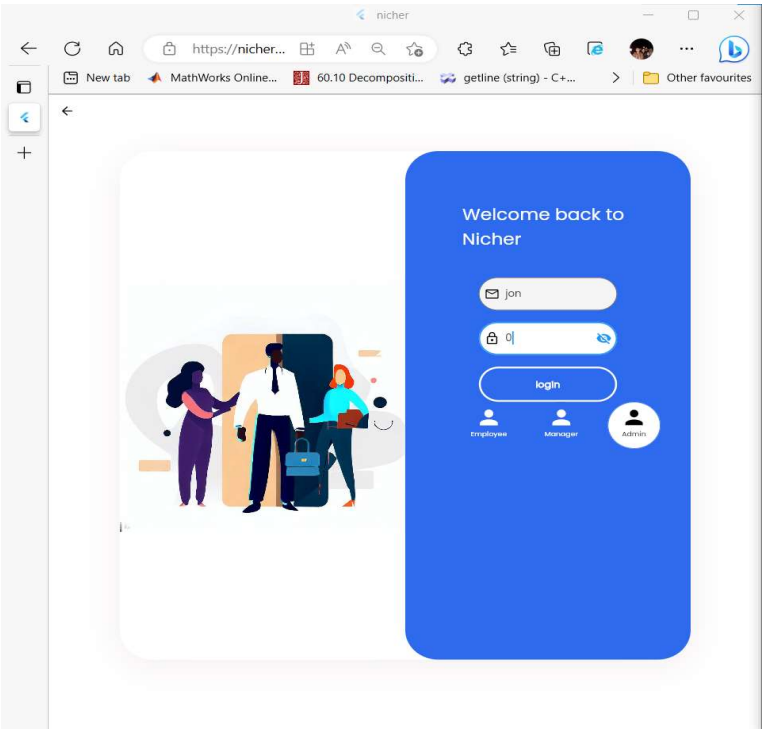
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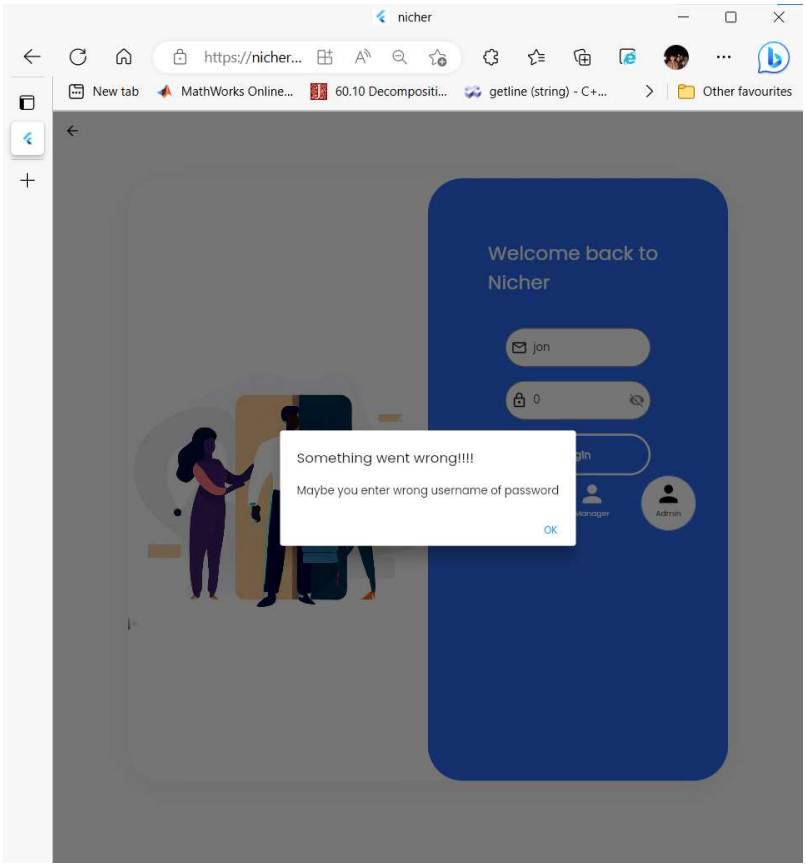
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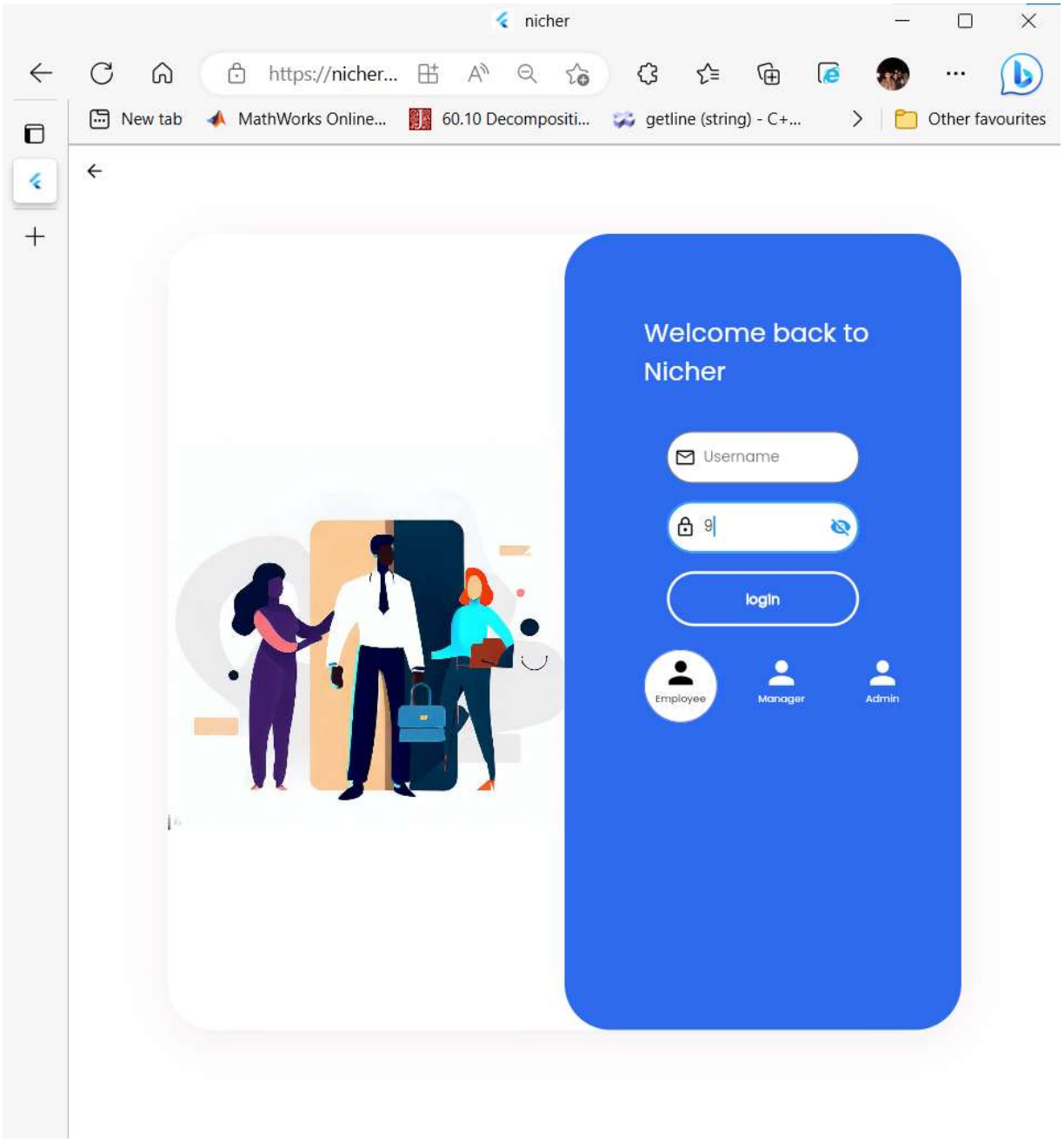
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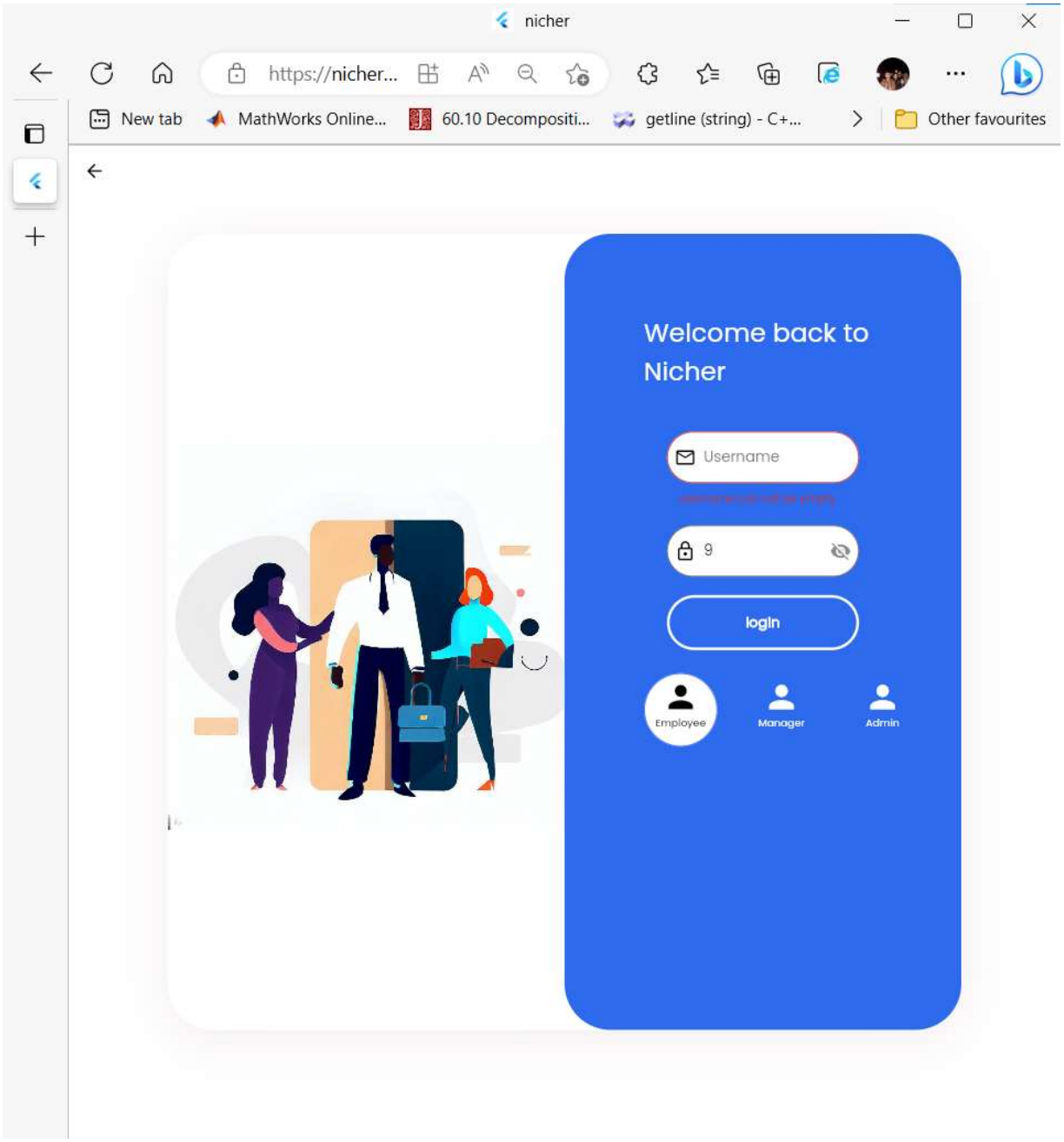
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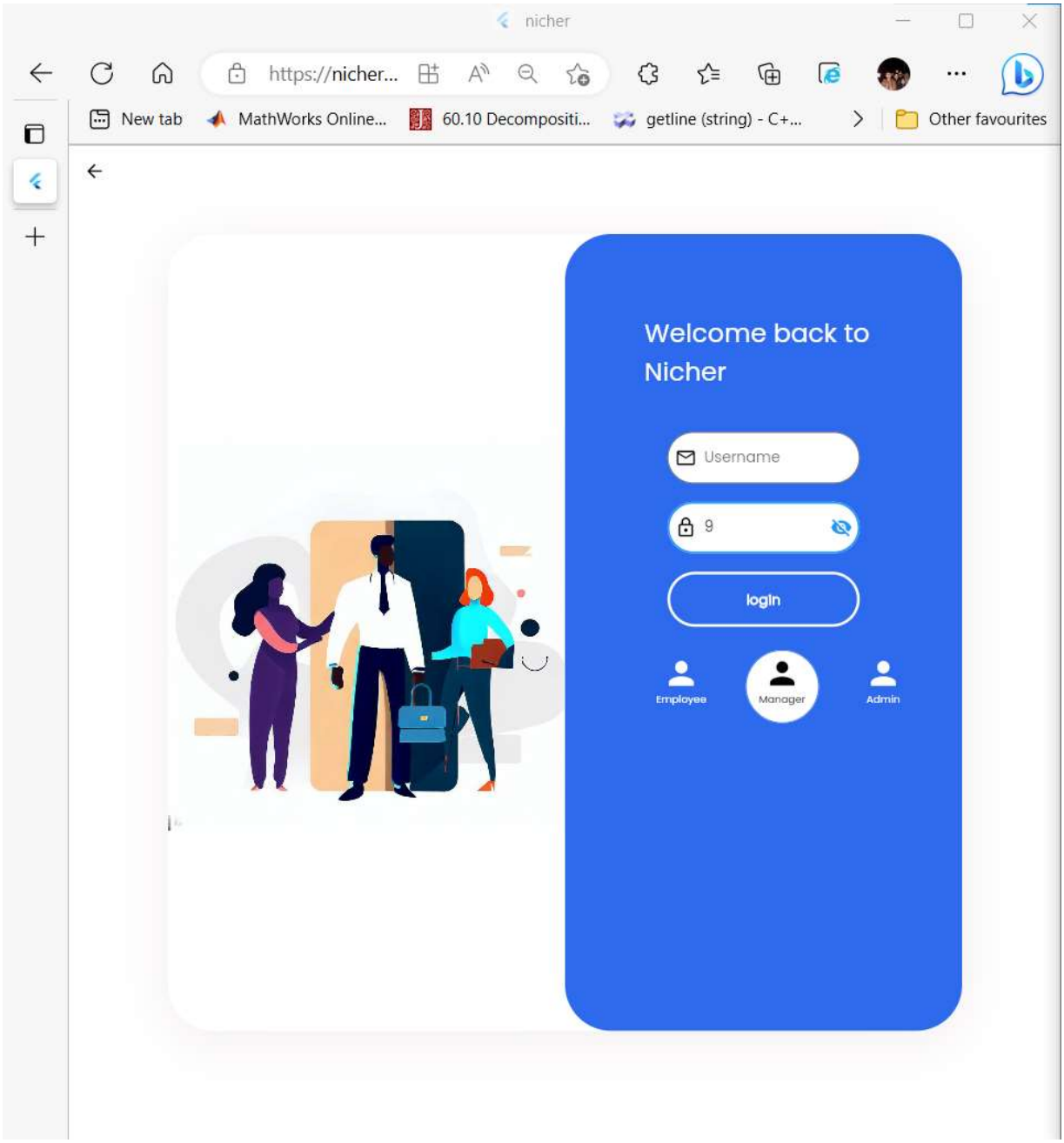
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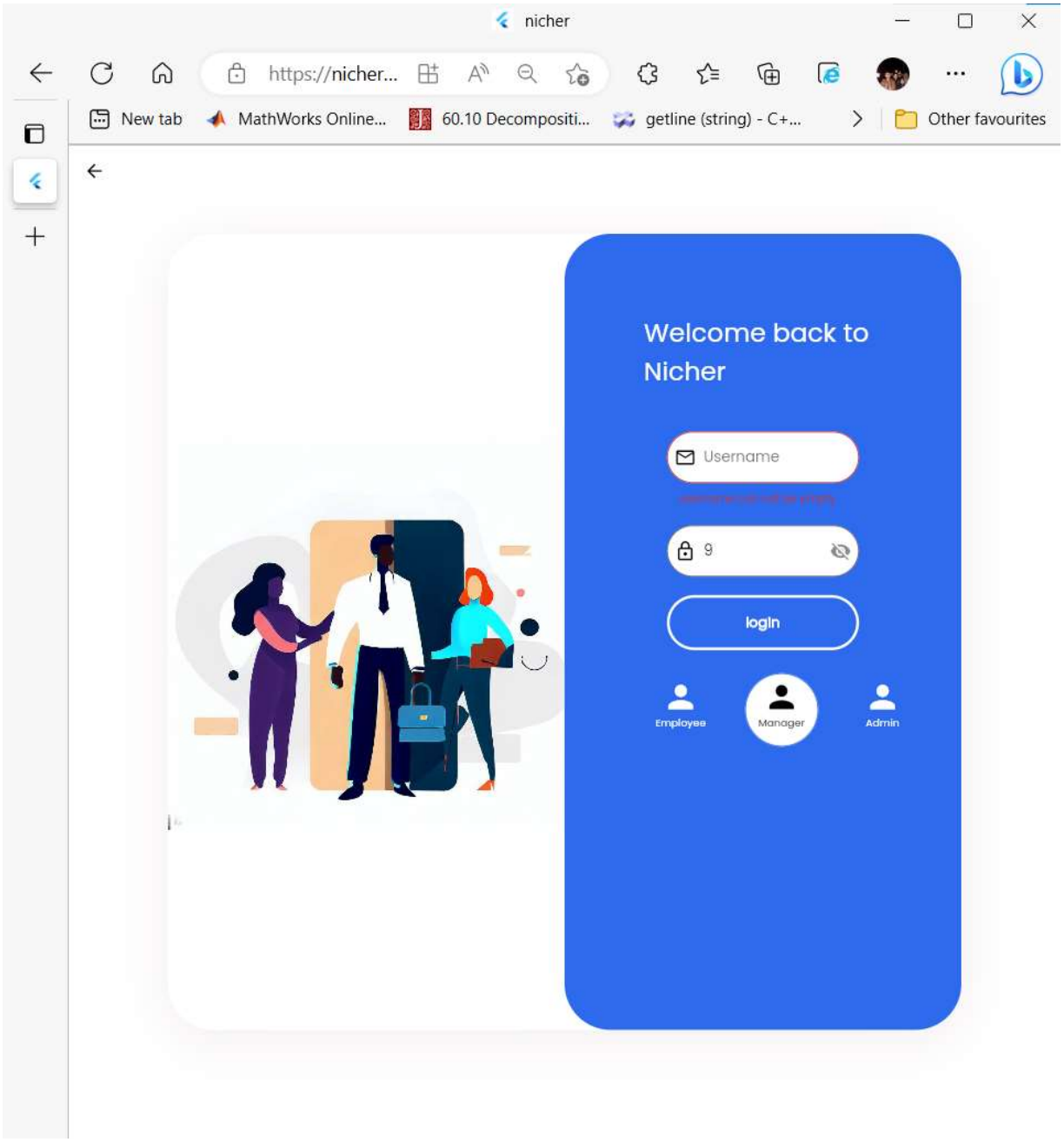
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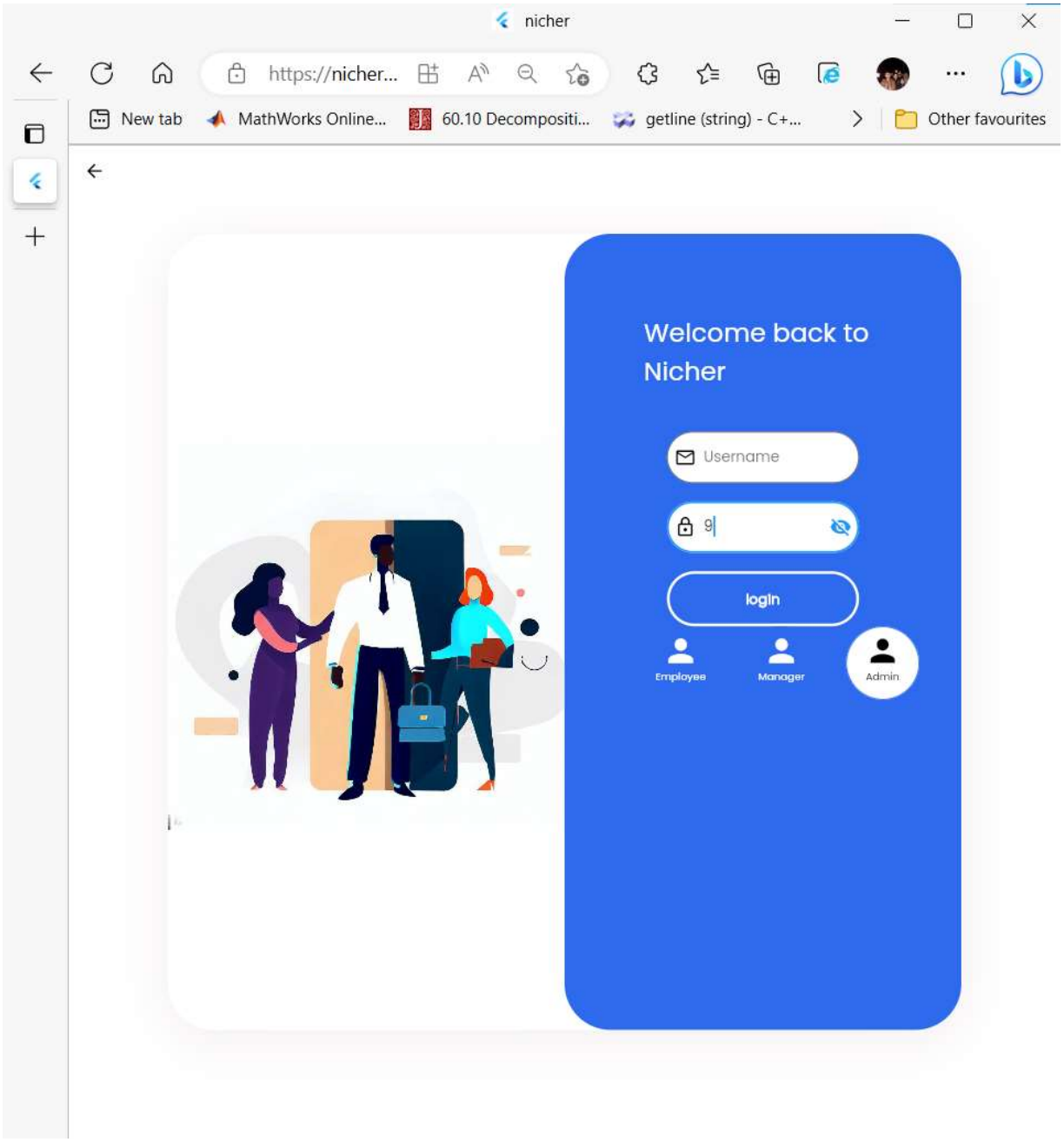
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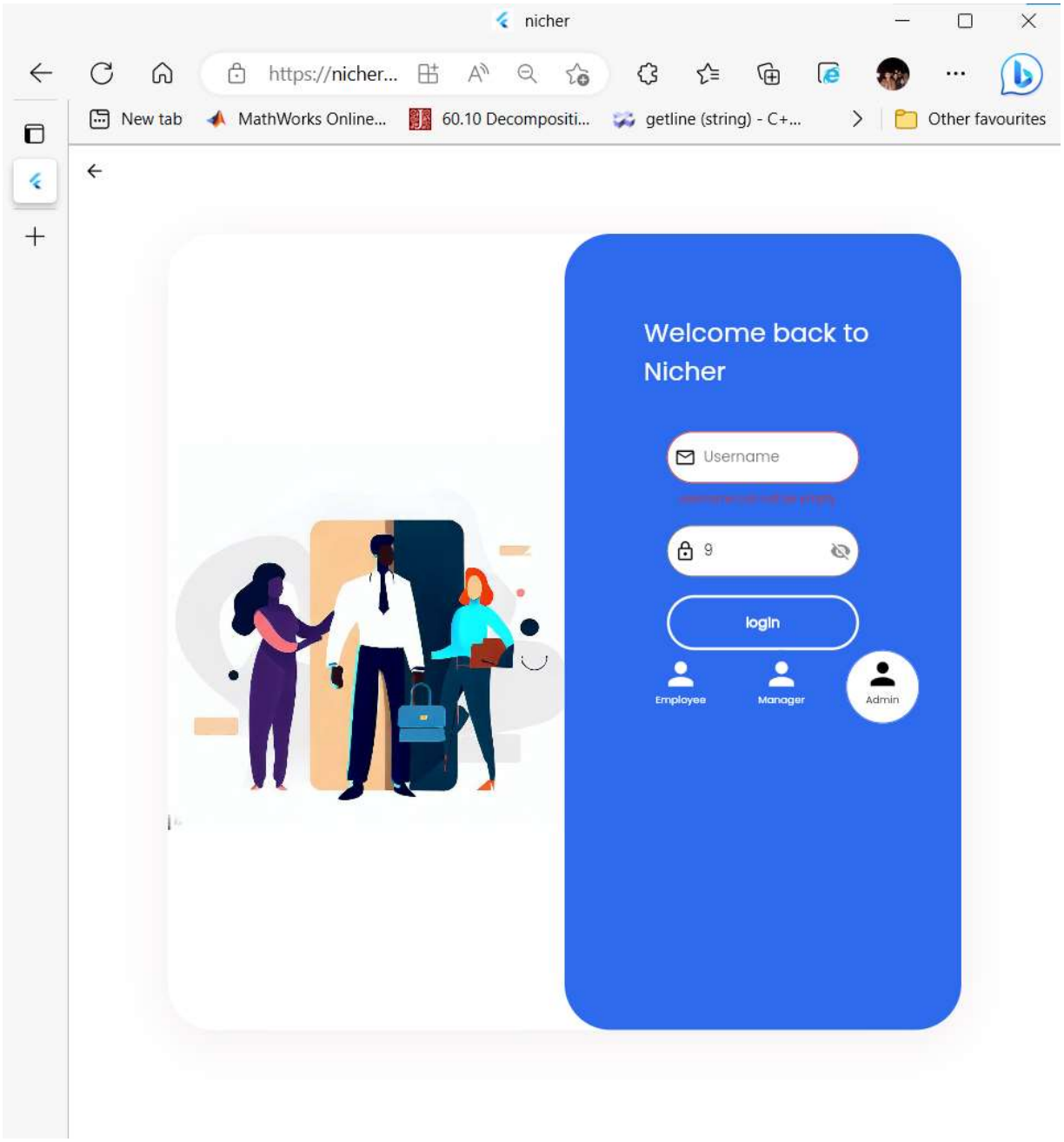
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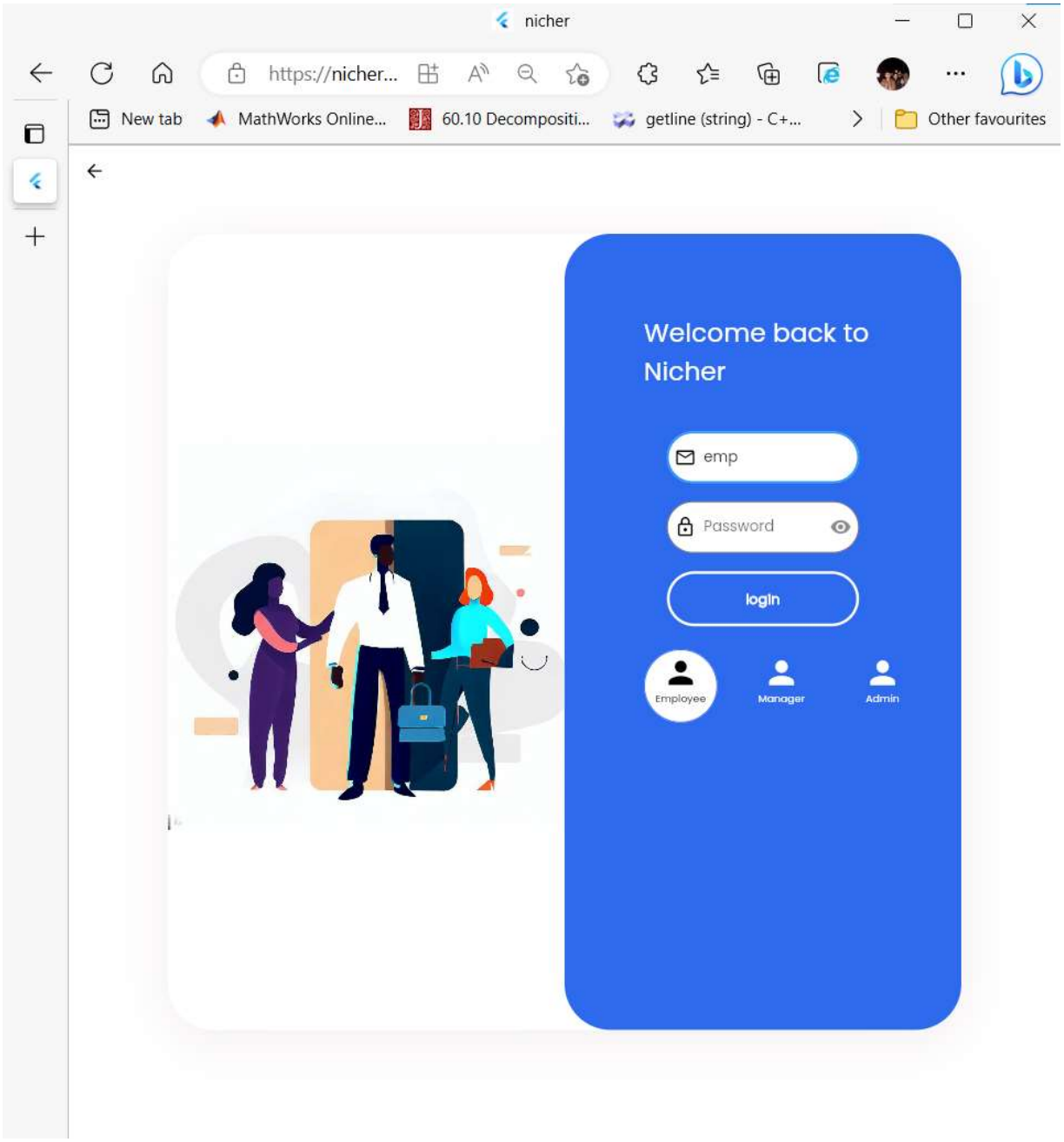
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Employee
Manager
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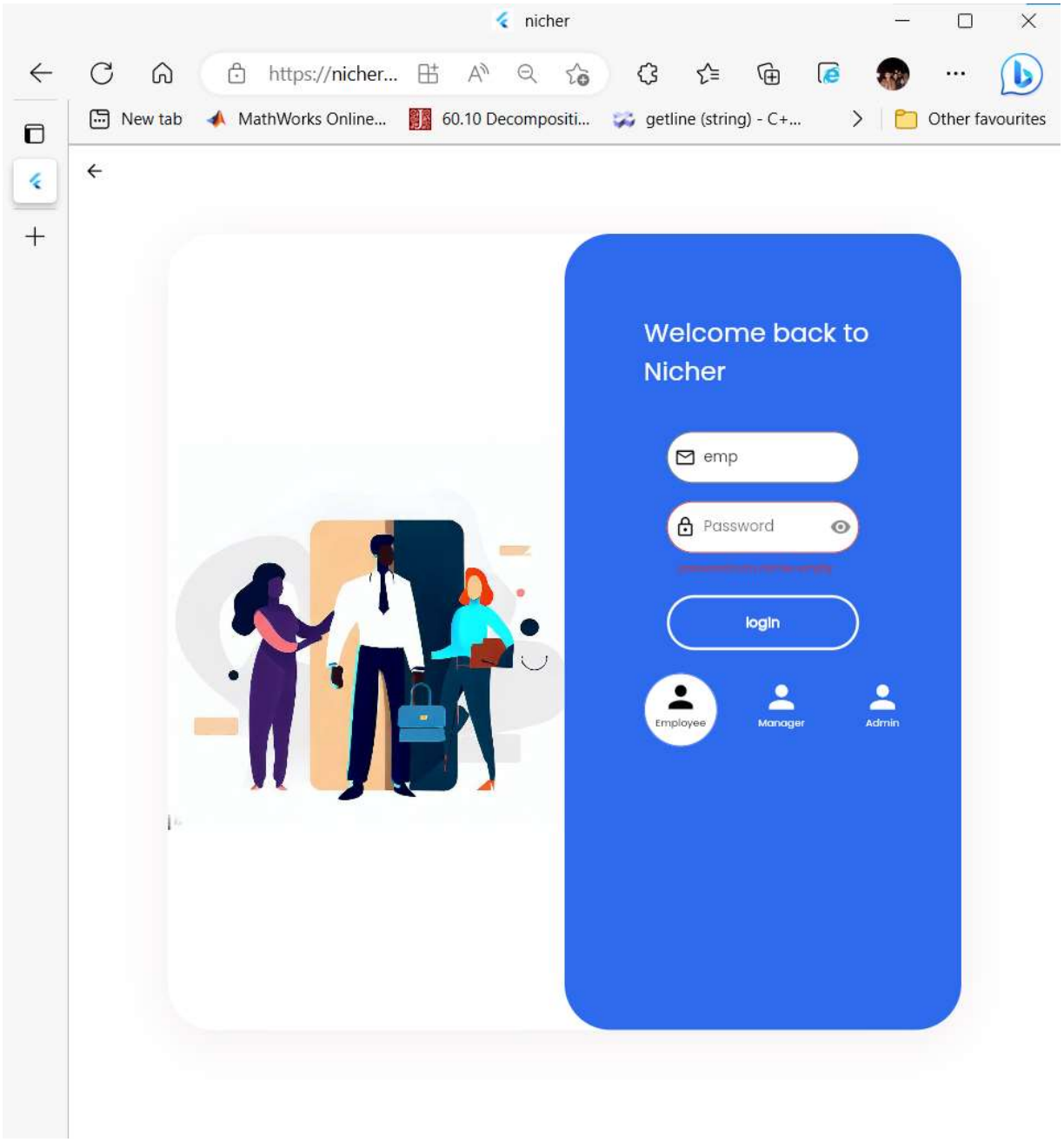
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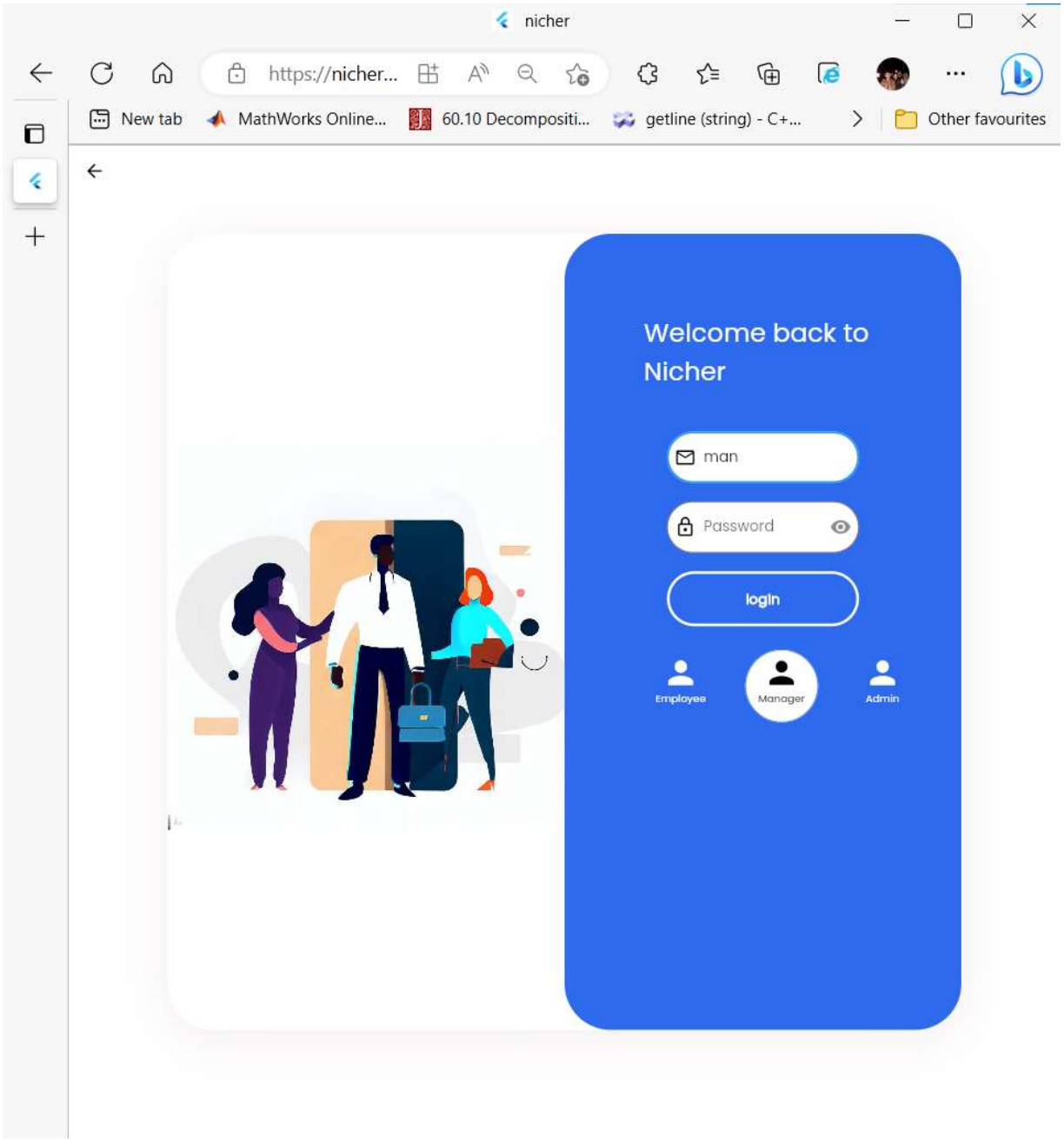
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Employee
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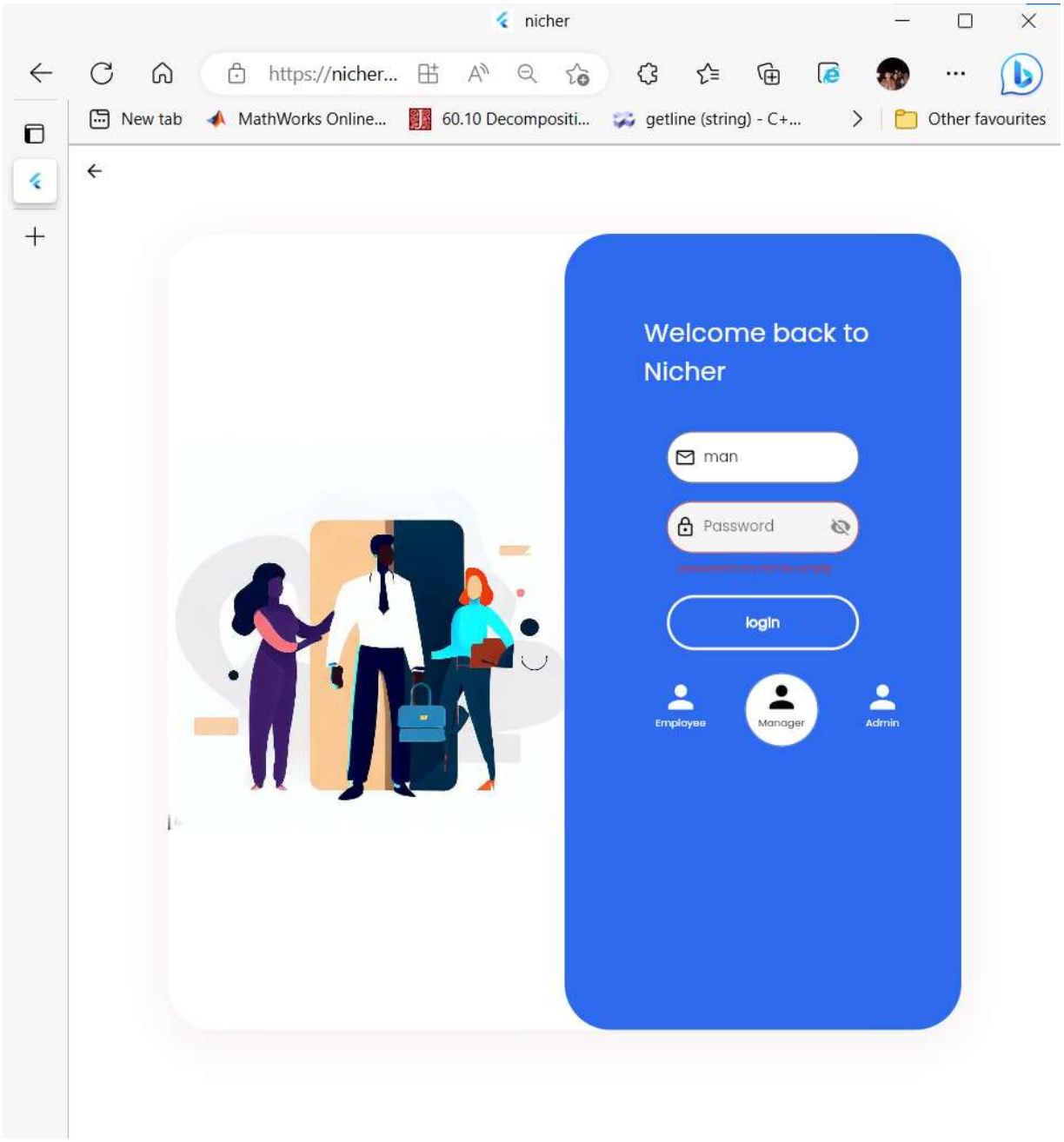
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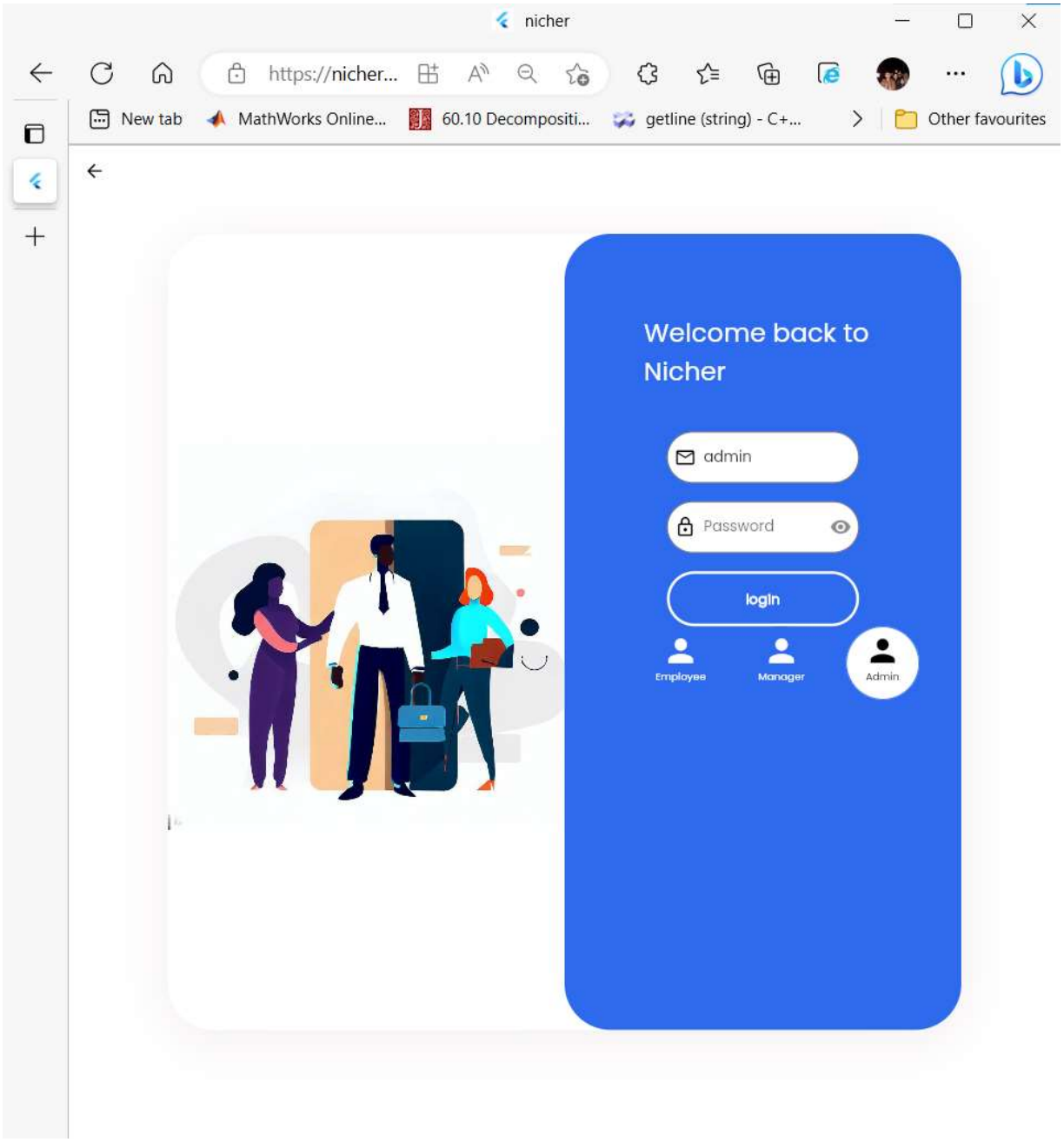
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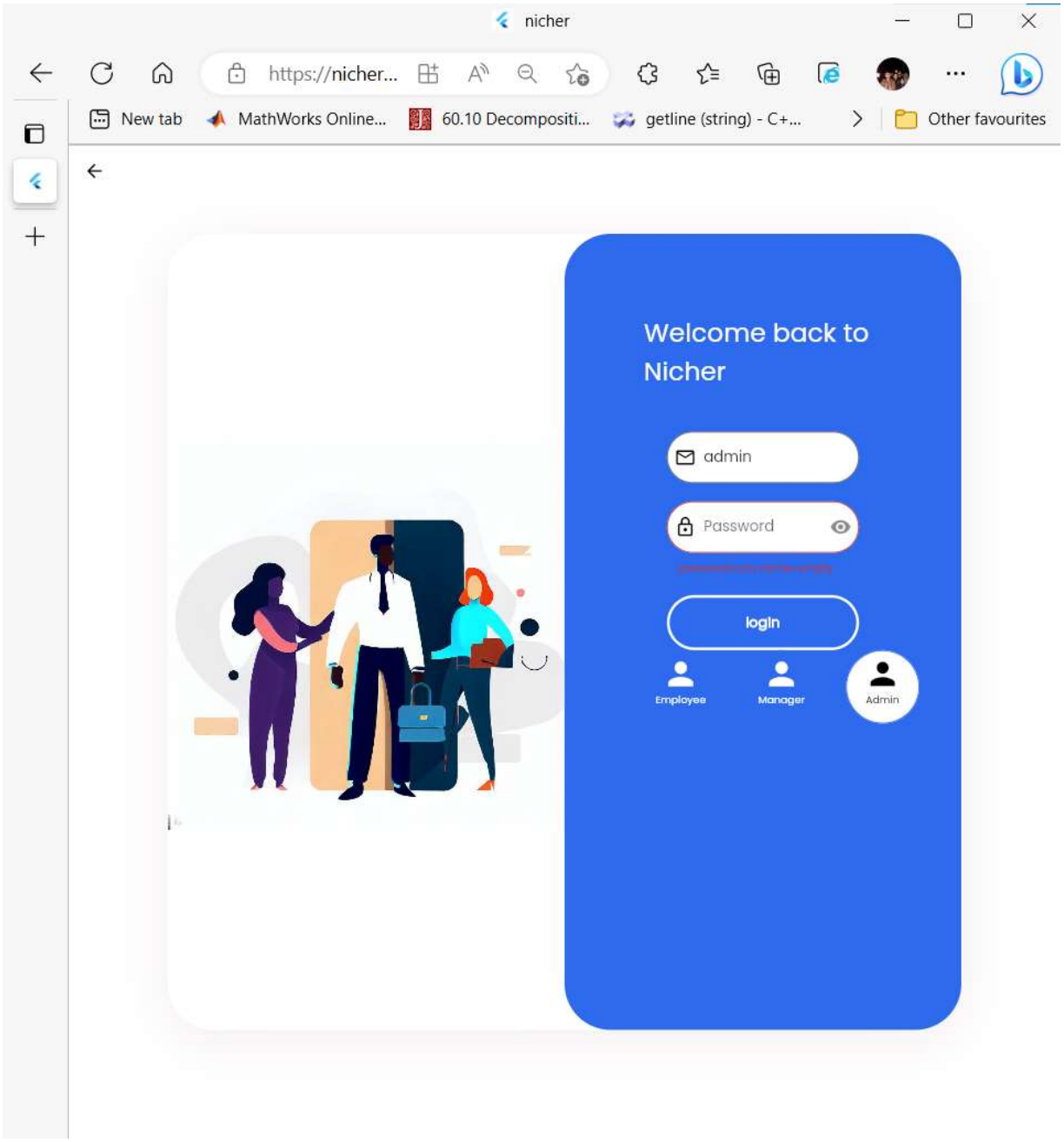
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Other favourites
Welcome back to Nicher
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Employee
Manager
Admin

Requirement 2: Employees must be able to view their profile.

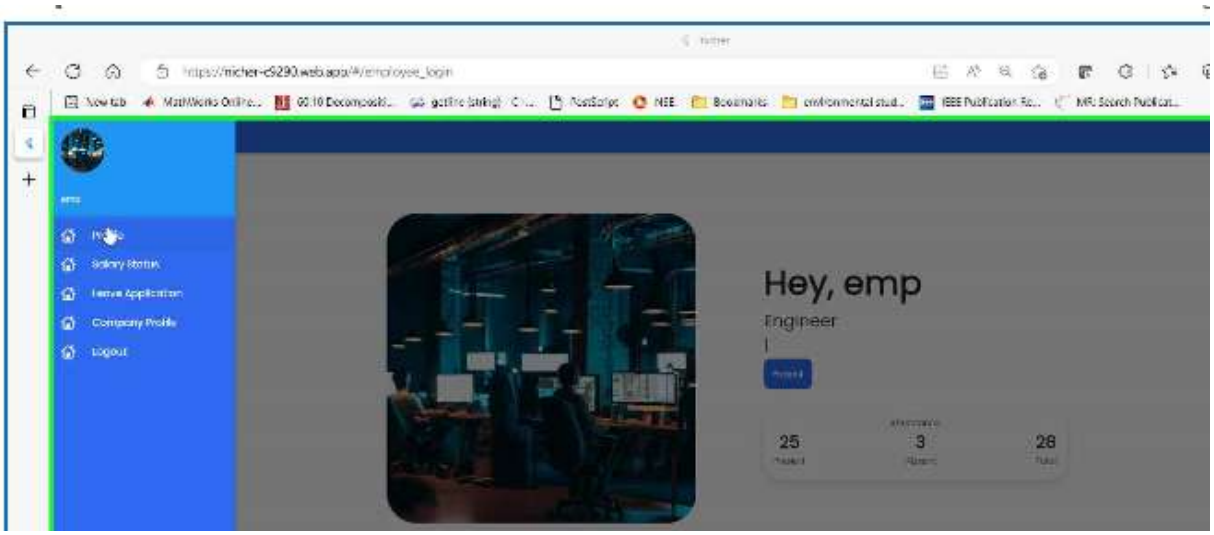
Scenario: Employee Logged in

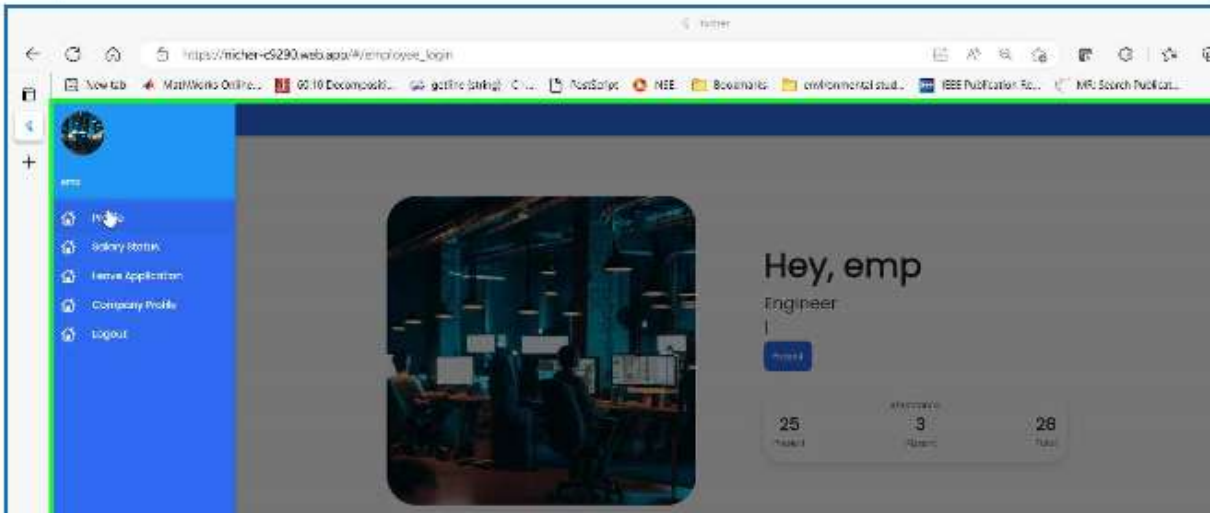
Input: Employee enquires the system for Profile

Output: .Employee Profile screen

Sr.. No.	Input	Expected Output	Actual Output	Result
1.	enquiry for profile (through “Profile Button”), to be concrete	Employee Profile	Employee Profile	Pass

Snapshots





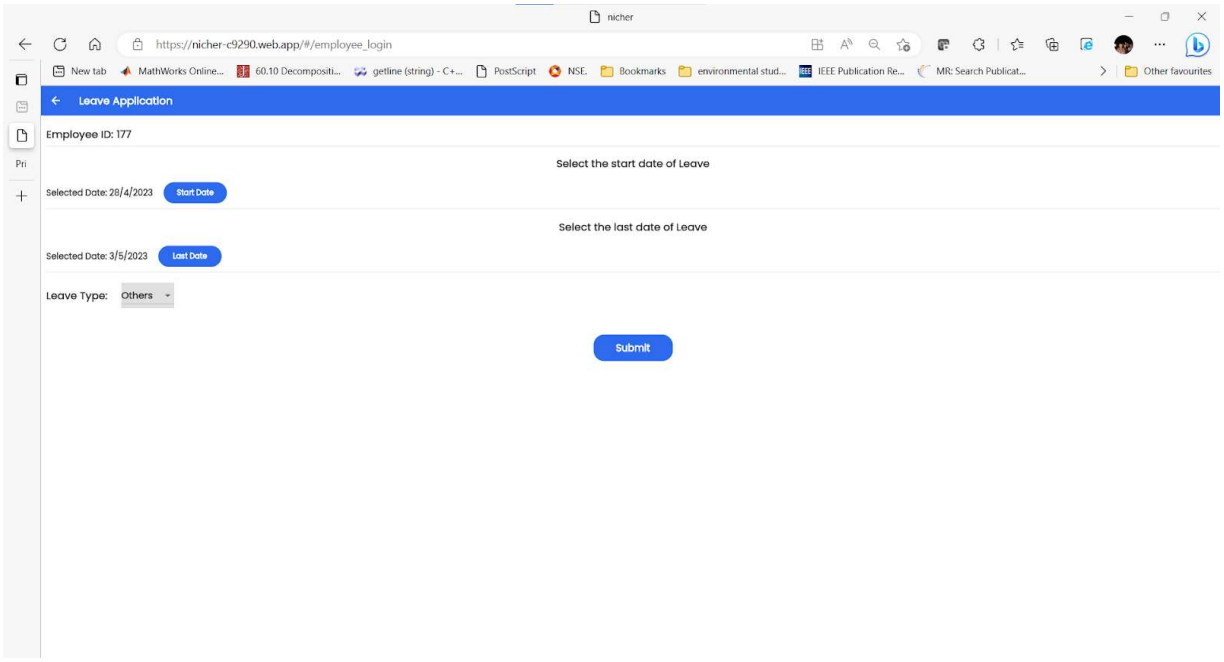
Requirement 3: The system offers scheduling and attendance tracking to ensure compliance with staffing needs.

Refined Requirement 3.a Employee can request for leave to his manager.

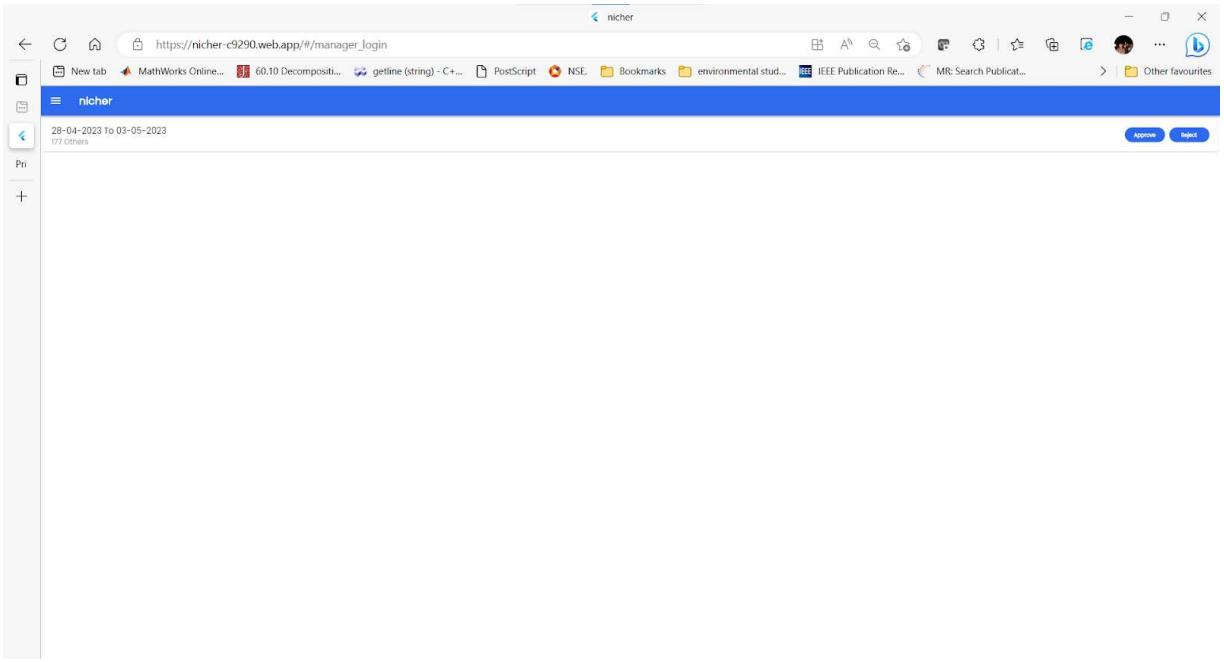
Scenario: Employee on his homepage

Input1: Start Date	Input2: EndDate	Expected Output	Actual Output	Result
28/4/23	3/5/23	Leave request visible to manager	Leave Request Visible to Manager	Pass
28/4/23	27/4/23	Error (EndDate < Start Date)	Error	Pass
24/4/23	28/4/23	Error (StartDate < Today)	Error	Pass

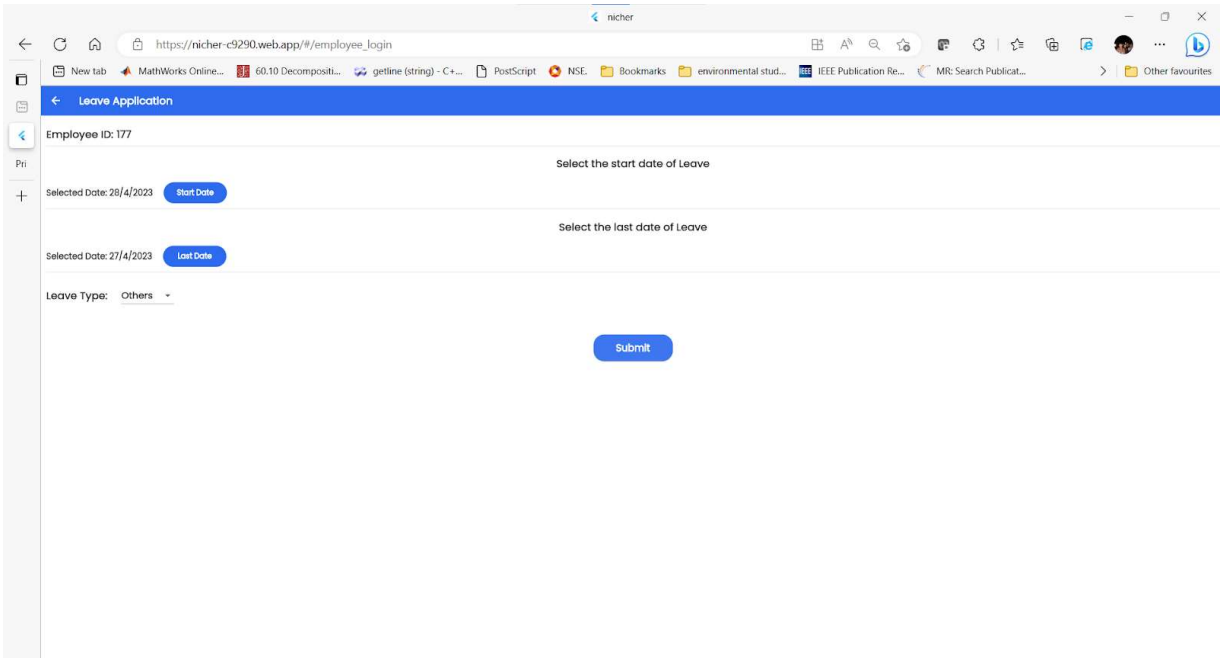
Employee Leave Application Screen:



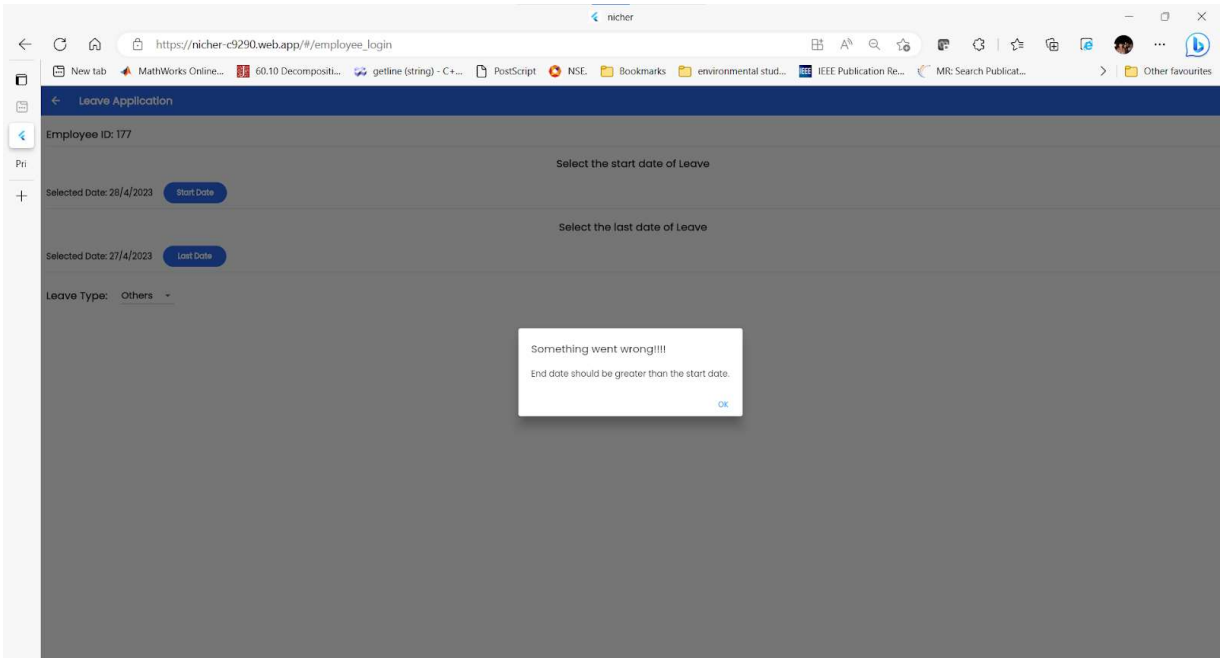
Manager Approve Leave Screen:



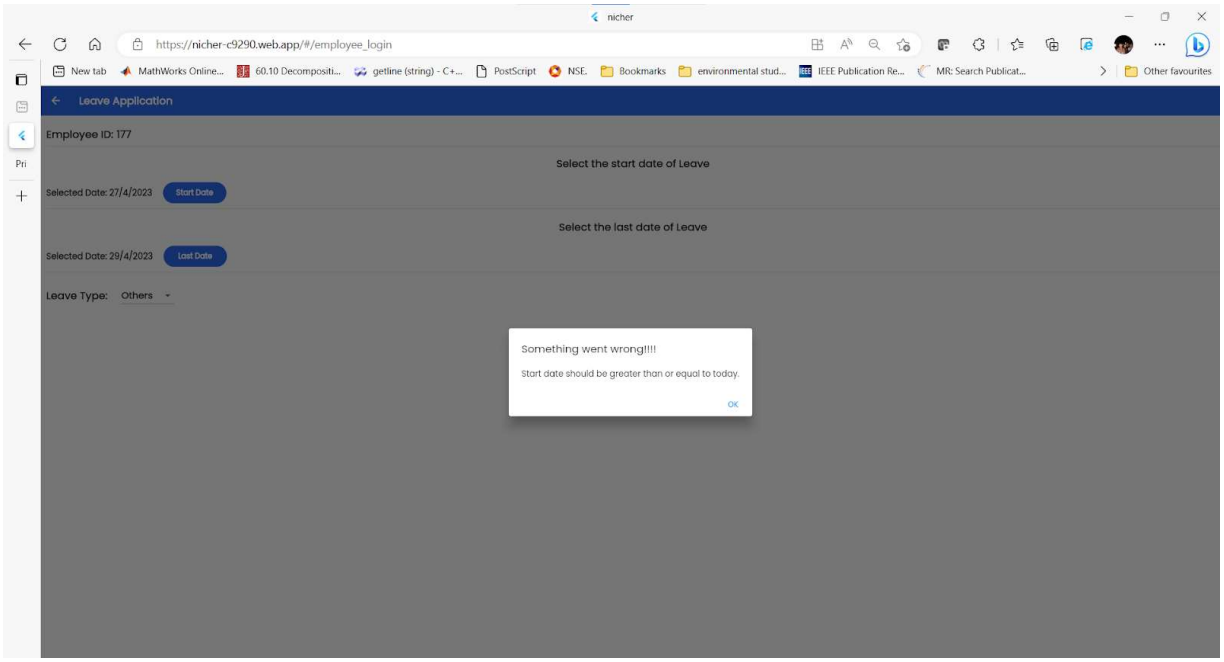
Employee Leave Application Screen:



Employee Leave Application Screen:



Employee Leave Application Screen:



Refined Requirement 3.b: Manager can approve/reject leave

Scenario: Manager logged in and on the screen “Approve Leave”

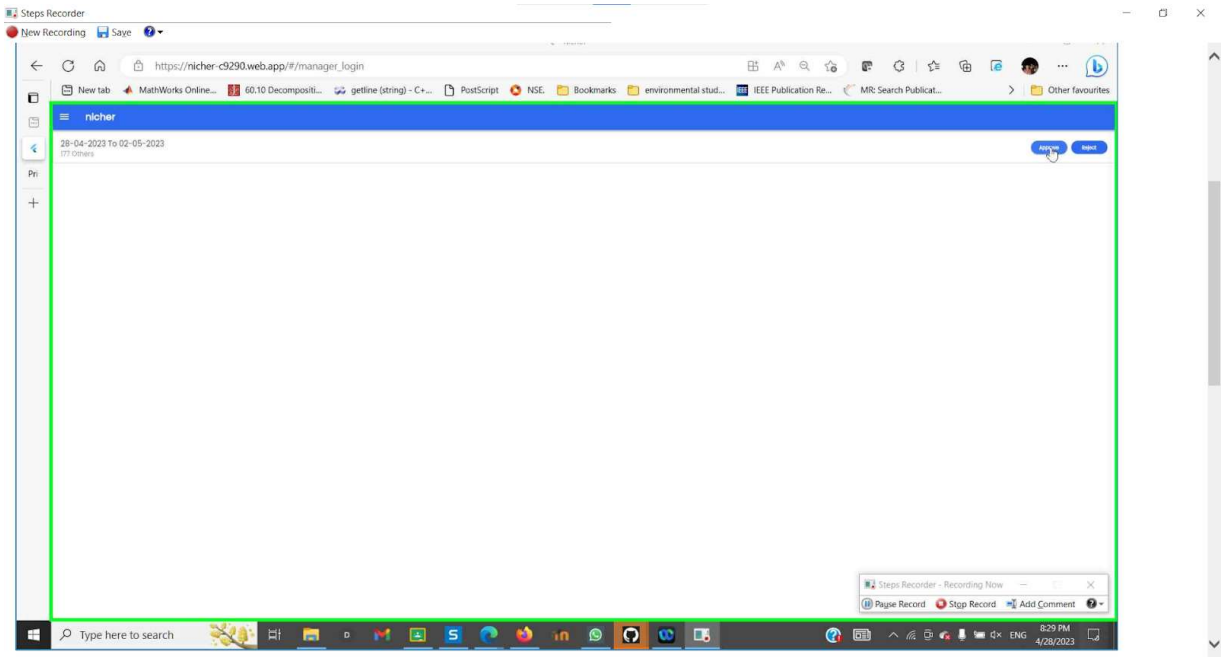
- Input: Approve Leave

  Expected Output: Approved Leave Visible on User

  Actual Output: Approved Leave Visible on User

  Result: Pass

Snapshots


Steps Recorder
New Recording
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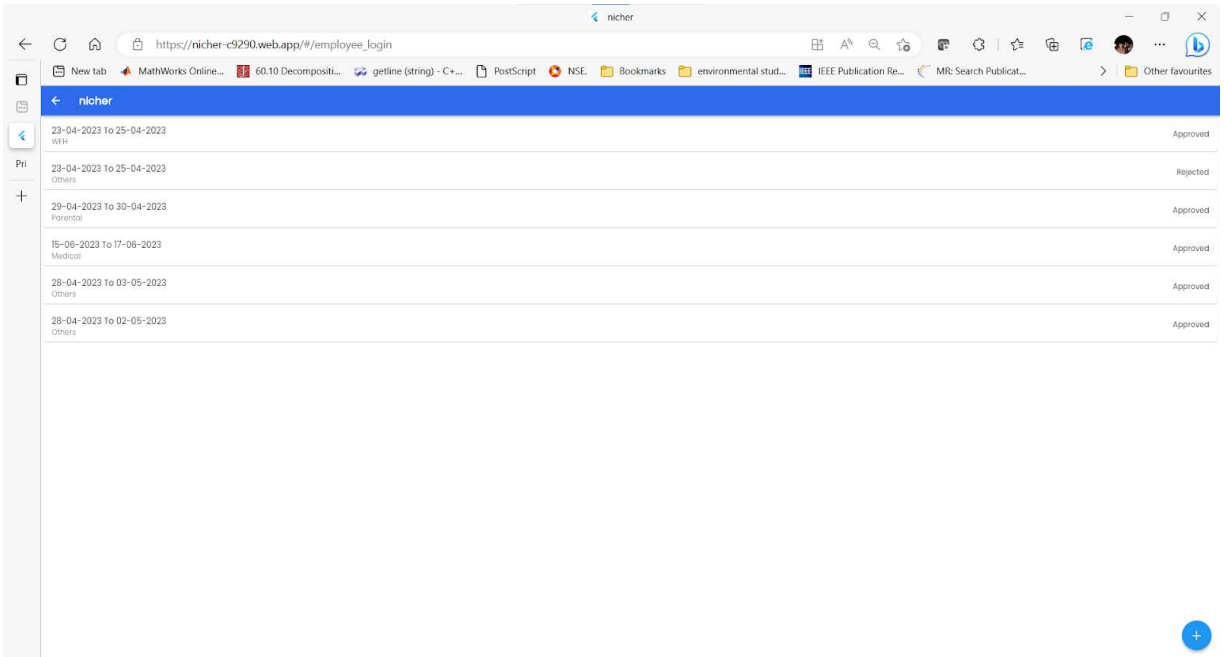
https://nicher-c9290.web.app/#/manager_login
nicher
28-04-2023 To 02-05-2023
Steps Recorder - Recording Now
Pause Record
Stop Record
Add Comment
Type here to search
8:29 PM
4/28/2023


nicher
https://nicher-c9290.web.app/#/employee_login
nicher
23-04-2023 To 25-04-2023
WFH
Approved
23-04-2023 To 25-04-2023
Others
Rejected
29-04-2023 To 30-04-2023
Parental
Approved
15-06-2023 To 17-06-2023
Medical
Approved
28-04-2023 To 03-05-2023
Others
Approved
28-04-2023 To 02-05-2023
Others
Approved

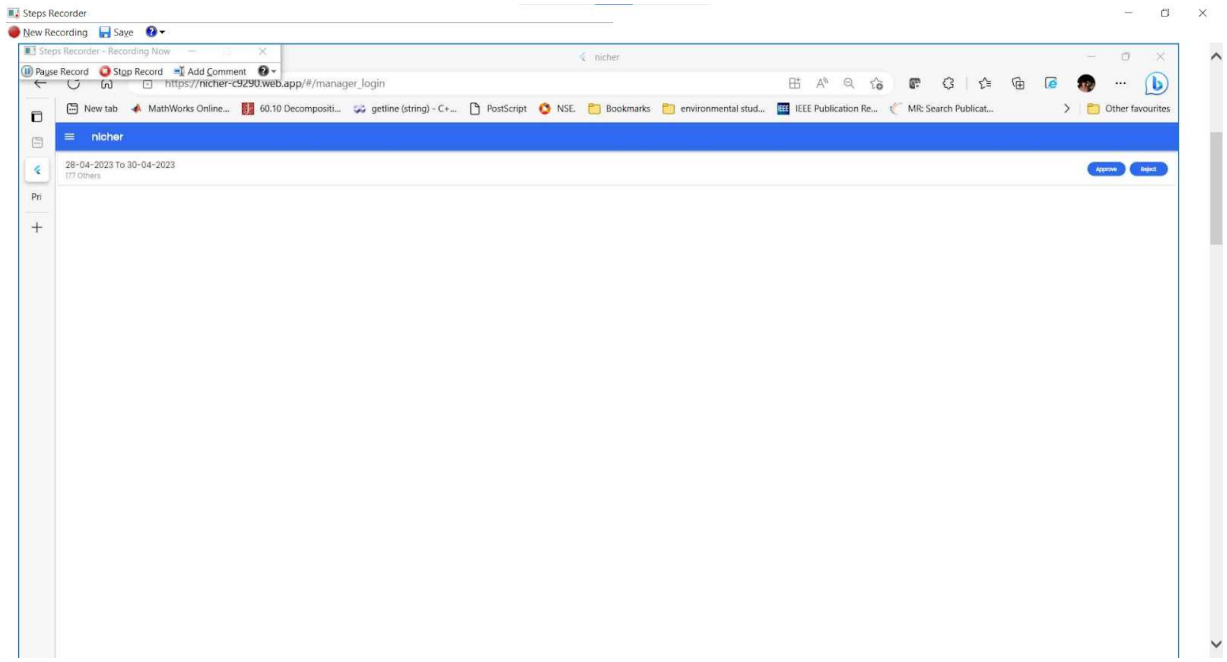
- Input: Reject Leave

  Expected Output: Rejected Leave Visible on User

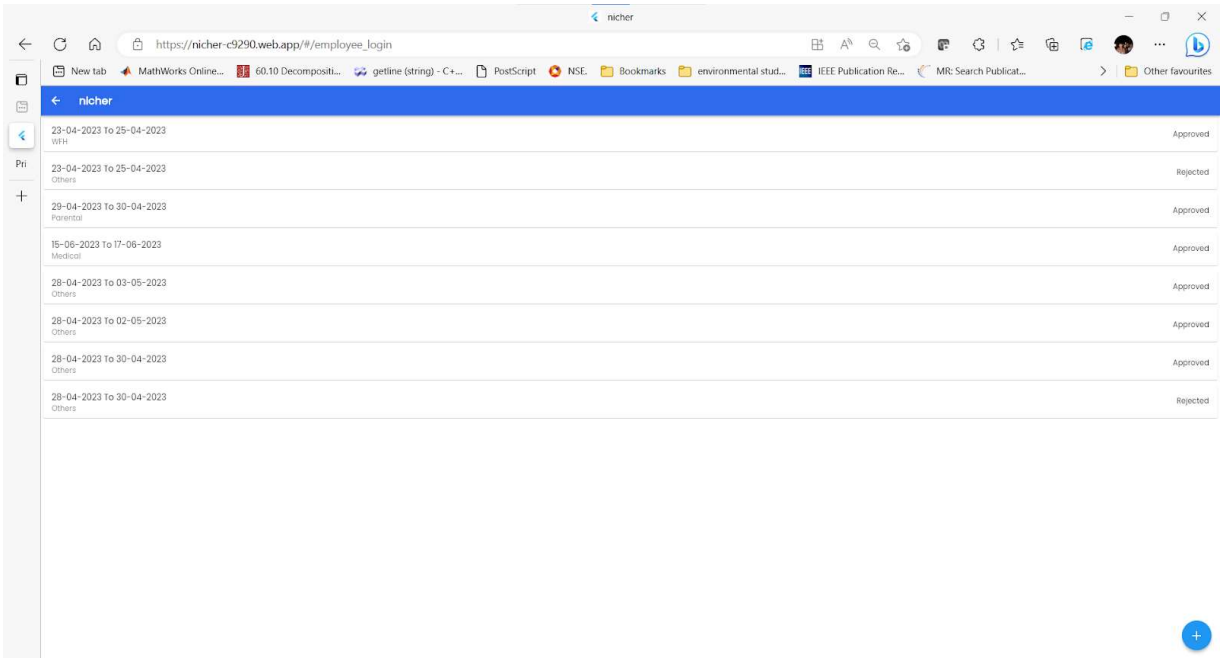
  Actual Output: Rejected Leave Visible on User

  Result: Pass

Manger rejects leave of Employee Ram



Ram’s leave application status screen



Requirement 4a All Users can mark their attendance

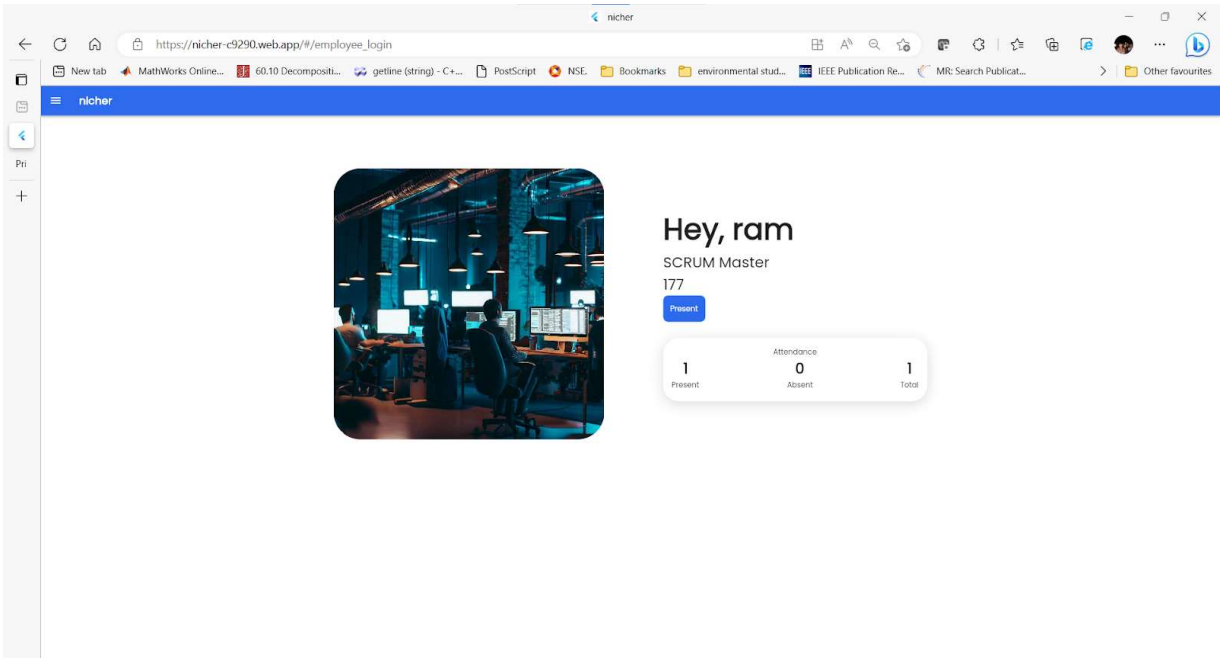
- Input: Click on Present

  Expected Output: No. of present days increase by 1

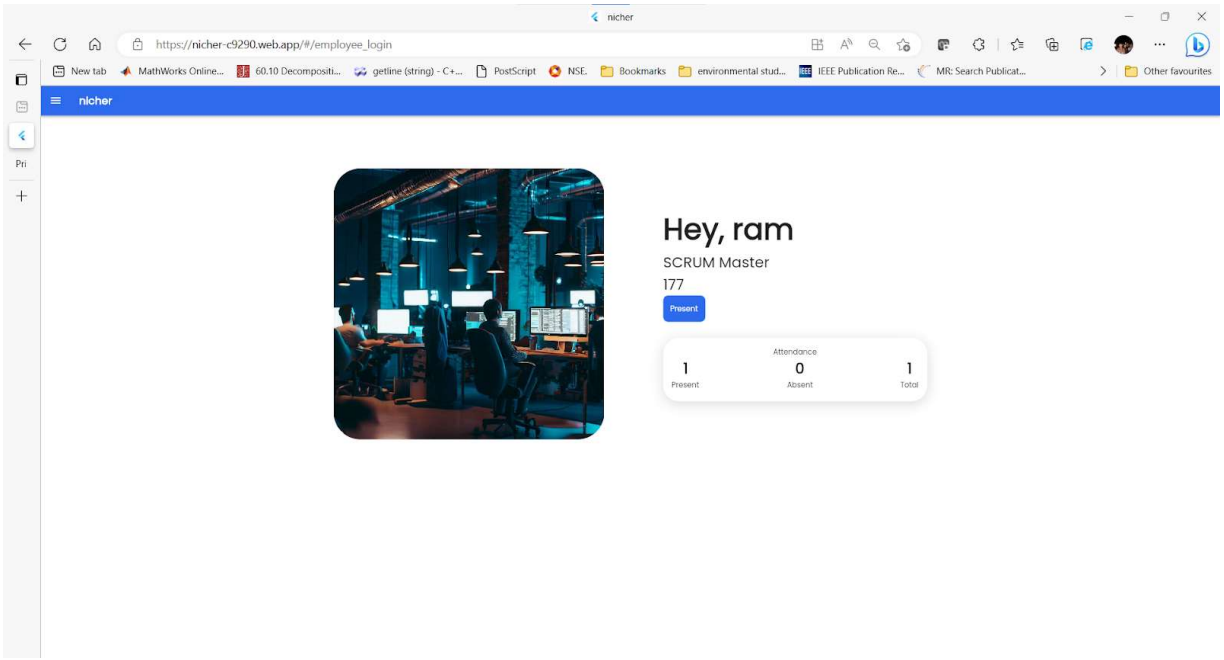
  Actual Output: No Update

  Result: Fail

Ram’s Homepage



After clicking on Present:



Requirement 5: Users can see their Salary Status

Scenario: User Aadhya Basu logged in

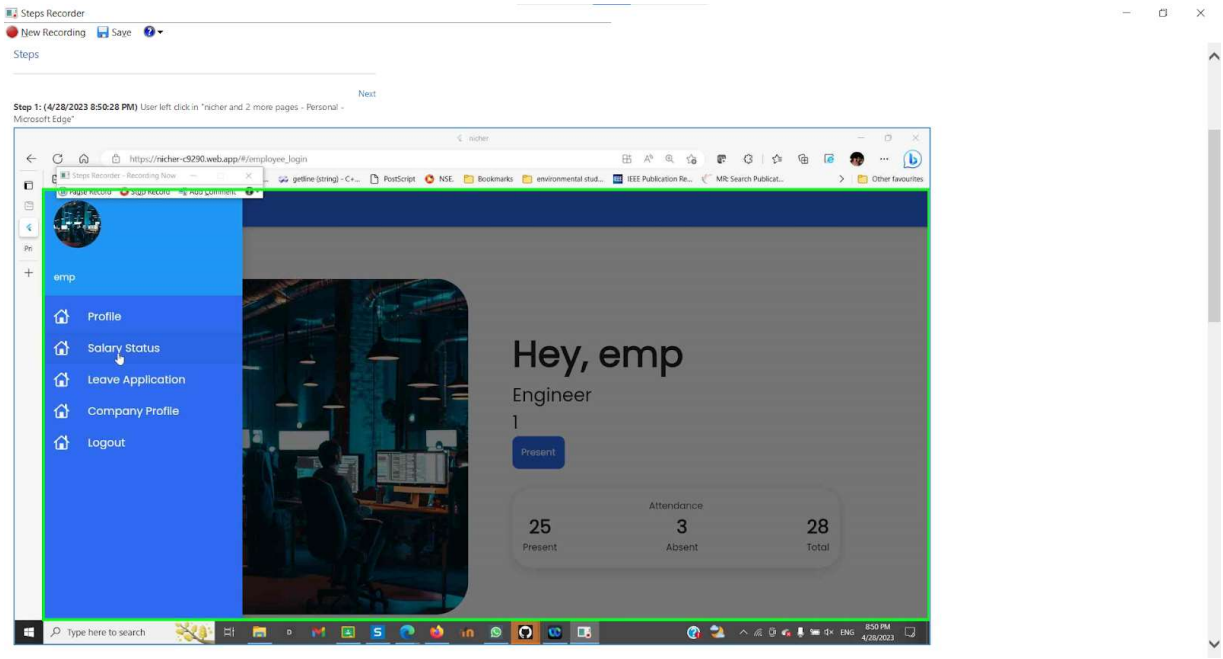
- Input: User access Salary

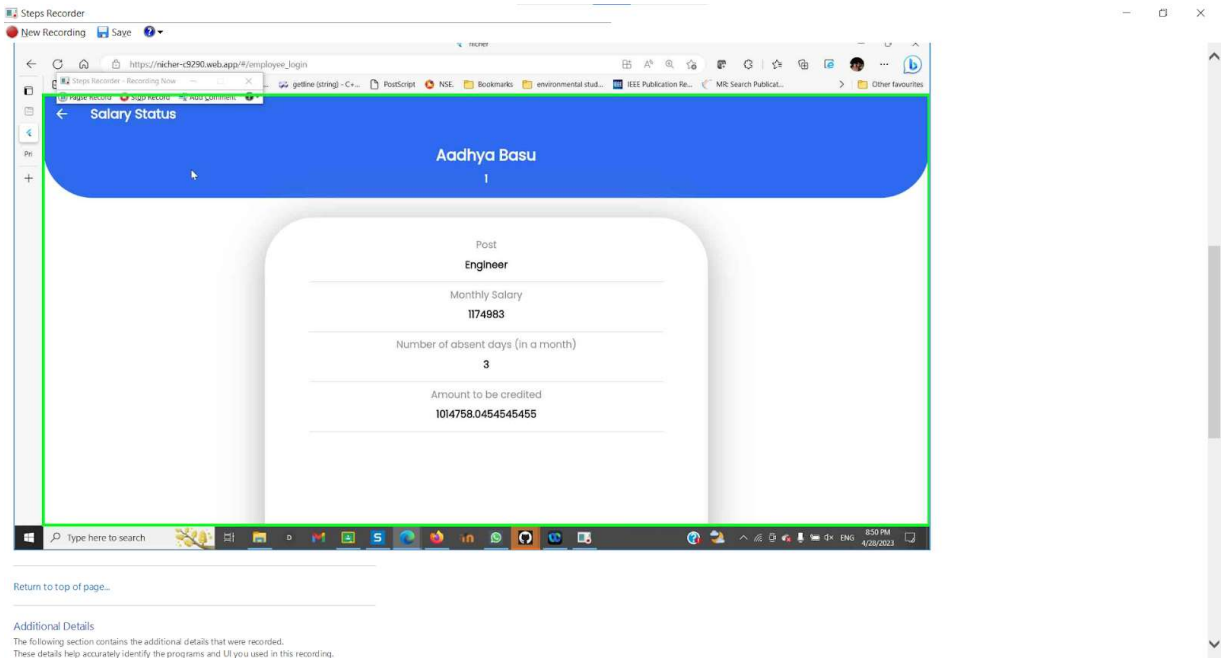
  Expected Output: User's Salary Status

  Actual Output: User's Salary Status

  Result: Pass

Snapshots


Steps Recorder
New Recording
Save
Steps
Next
Step 1: (4/28/2023 8:50:28 PM) User left click in "nicher and 2 more pages - Personal - Microsoft Edge"
https://nicher-c9290.web.app/#/employee_login
emp
Profile
Salary Status
Leave Application
Company Profile
Logout
Hey, emp
Engineer
1
Present
Attendance
25
Present
3
Absent
28
Total
Type here to search
8:50 PM
4/28/2023


Steps Recorder
New Recording
Save
https://nicher-c9290.web.app/#/employee_login
Salary Status
Aadhya Basu
1
Post
Engineer
Monthly Salary
1174983
Number of absent days (in a month)
3
Amount to be credited
1014758.0454545455
Type here to search
8:50 PM
4/28/2023
Return to top of page...
Additional Details
The following section contains the additional details that were recorded.
These details help accurately identify the programs and UI you used in this recording.

Requirement 6: Manager can add employee

Scenario: Manager Logged in, and on the Create Employee screen

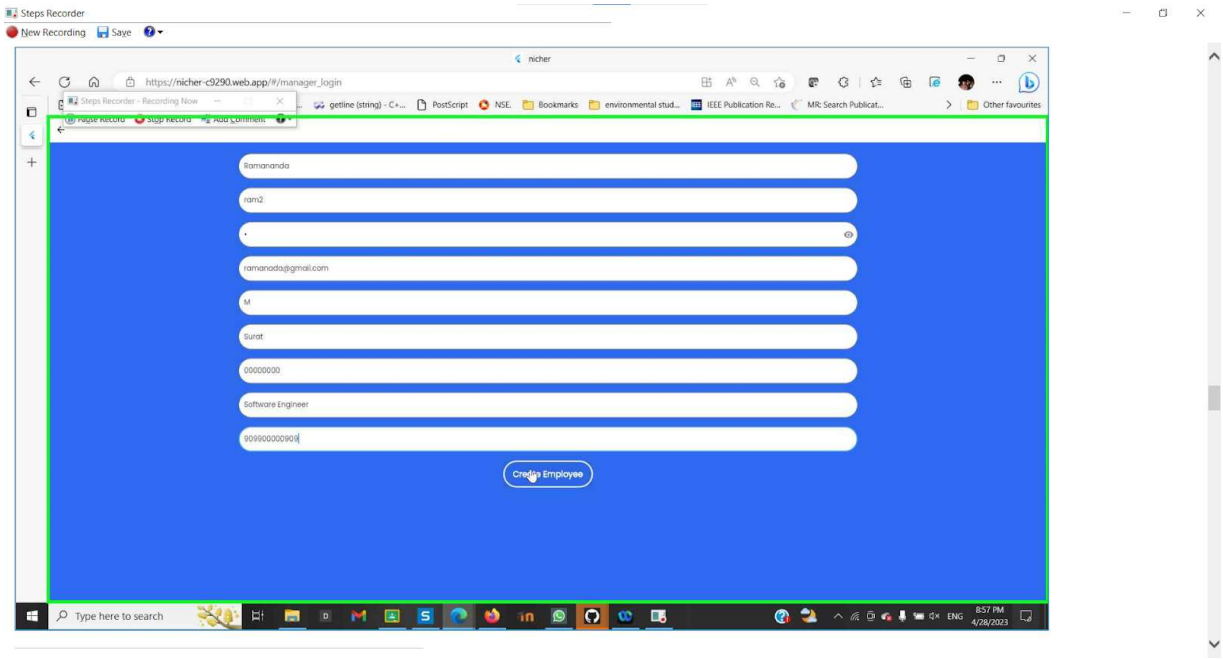
- Input: Employee details (self-verified)

Expected Output: Employee created. Hence he can login.

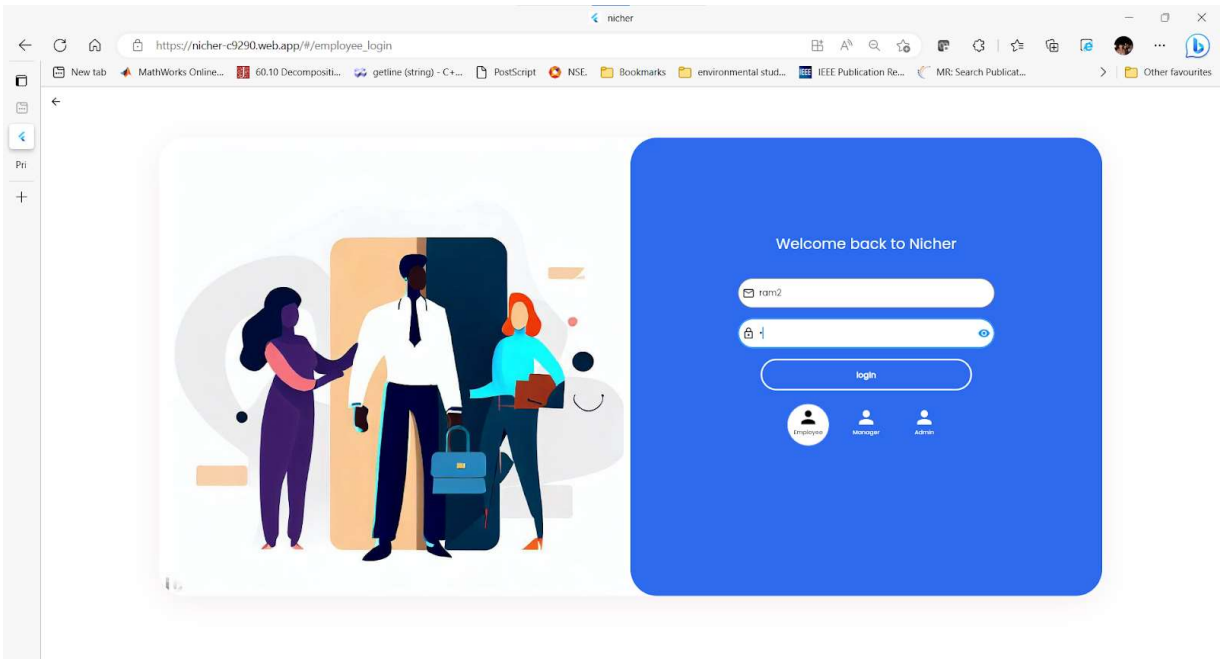
Actual Output: Employee created. Hence he can login.

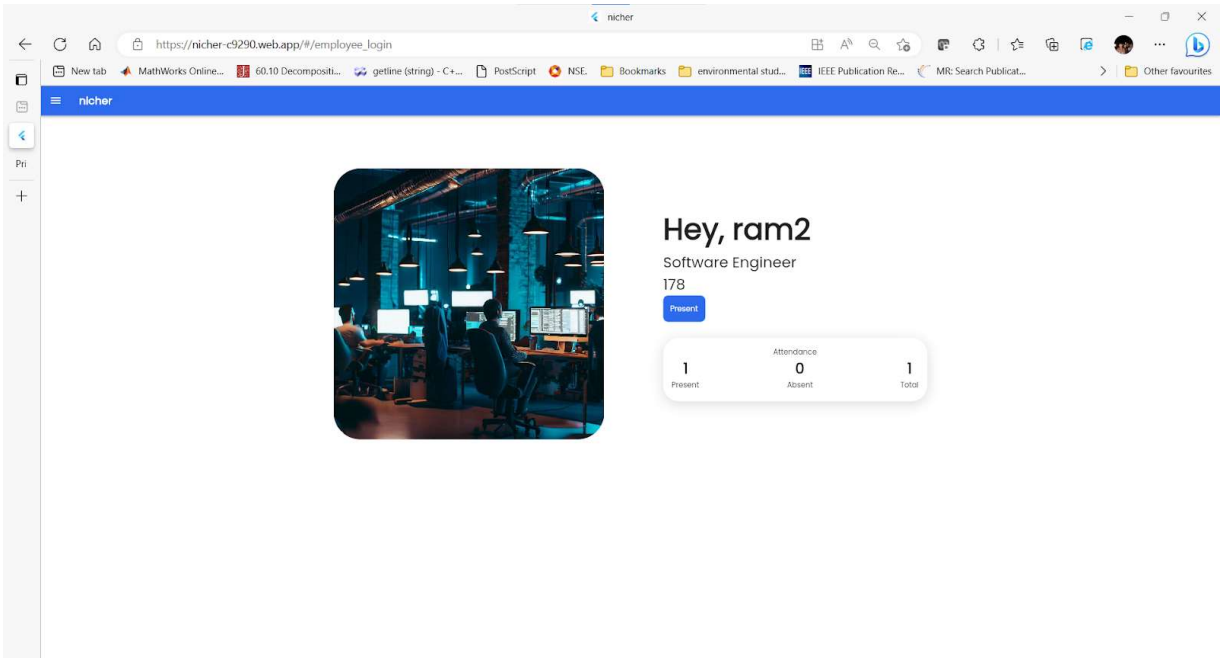
Result: Pass

Snaphots:



-> Now, on login screen:



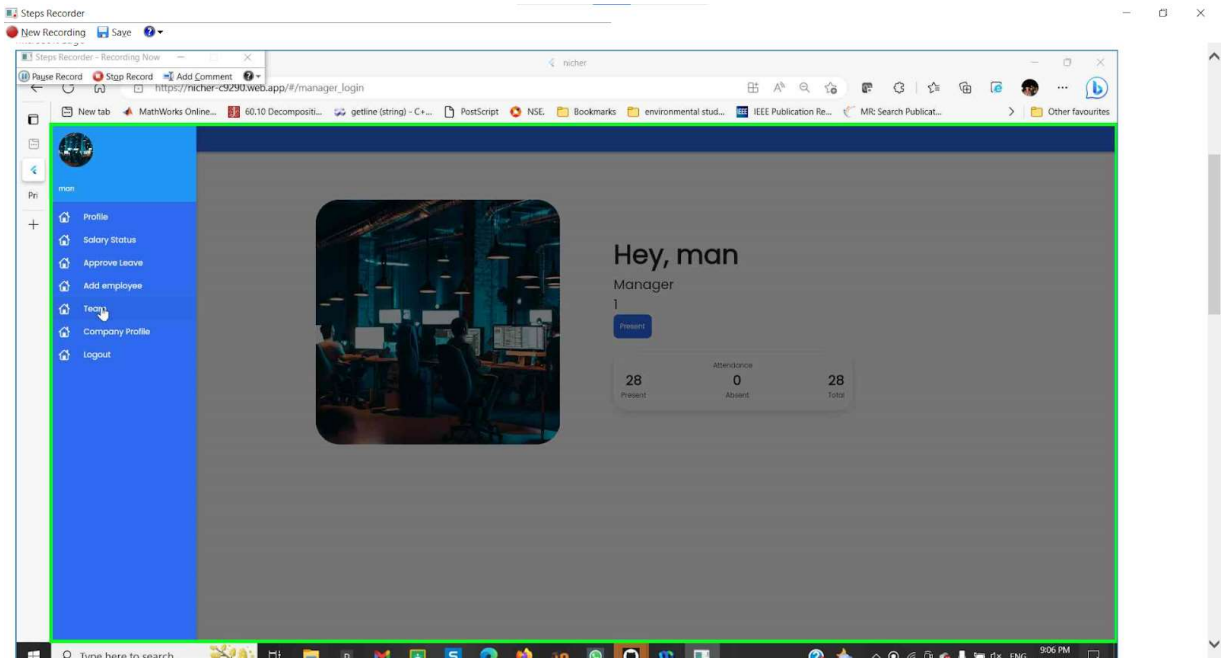

nicher
https://nicher-c9290.web.app/#/employee_login
New tab
MathWorks Online...
60.10 Decompositi...
getline (string) - C+...
PostScript
NSE.
Bookmarks
environmental stud...
IEEE Publication Re...
MR: Search Publicat...
Other favourites
nicher
Hey, ram2
Software Engineer
178
Present
Attendance
1
Present
0
Absent
1
Total

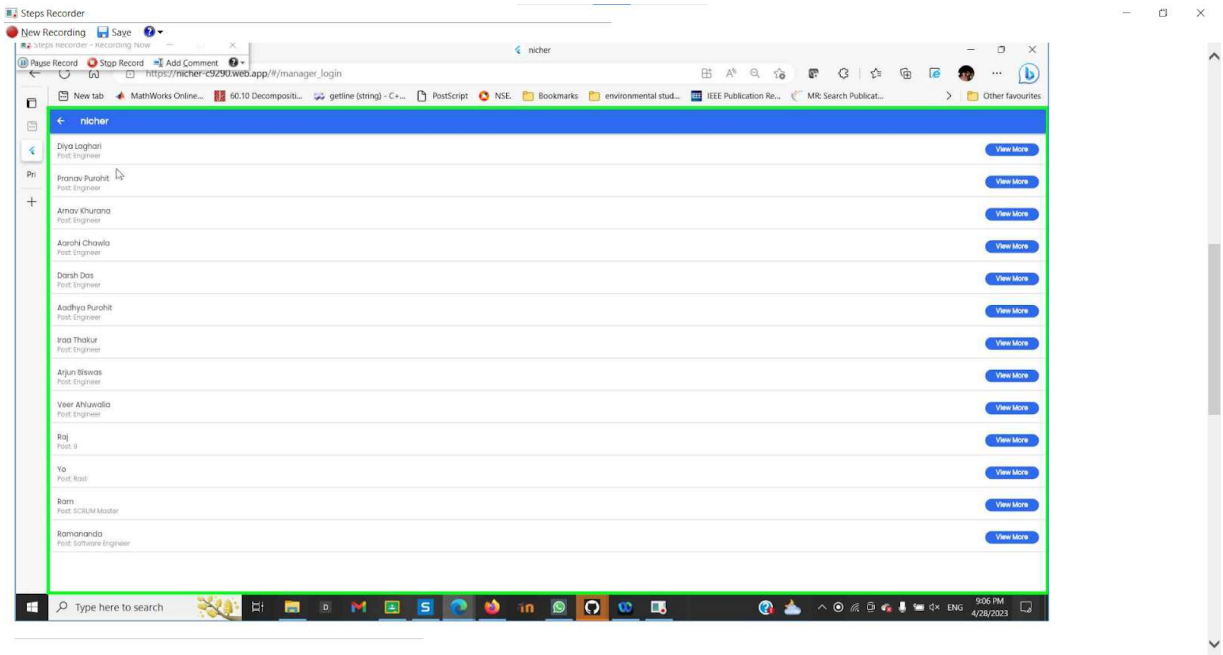
Requirement 7: Manager can view list of employees under him

Actuality: Manager, clicking on “Team” can access team details

Result: Pass

Snapshots:

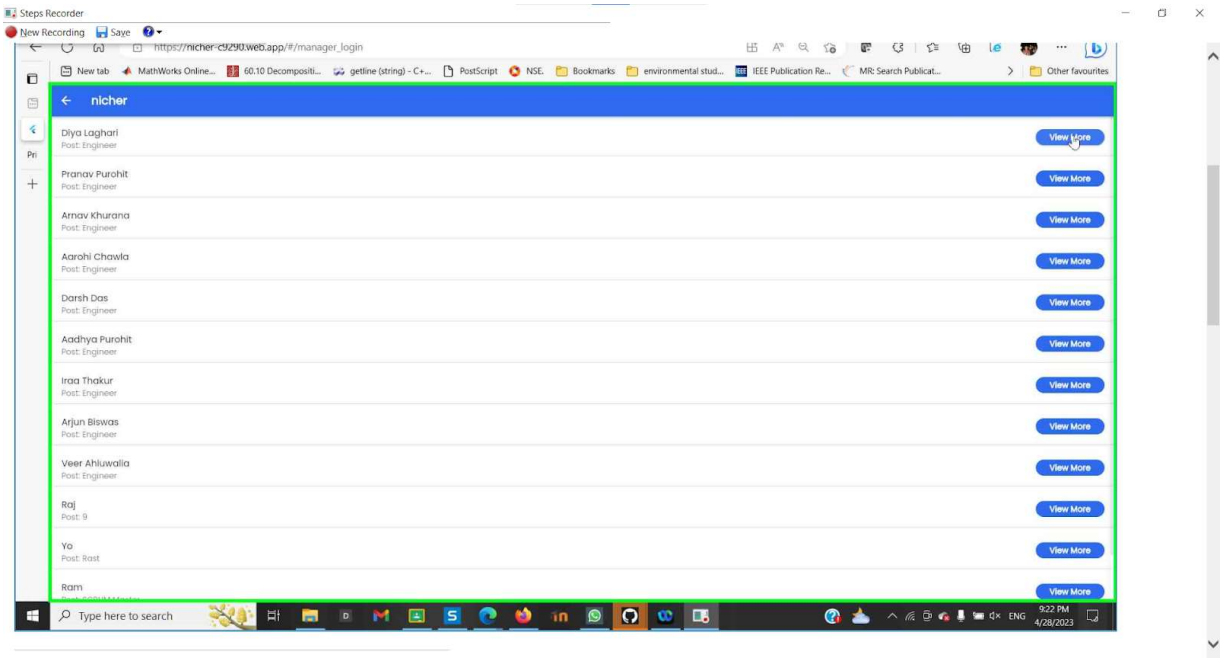

Steps Recorder
New Recording
Save
Pause Record
Stop Record
Add Comment
nicher
https://nicher-c9290.web.app/#/manager_login
Profile
Salary Status
Approve Leave
Add employee
Team
Company Profile
Logout
Hey, man
Manager
1
Present
Attendance
28
Present
0
Absent
28
Total

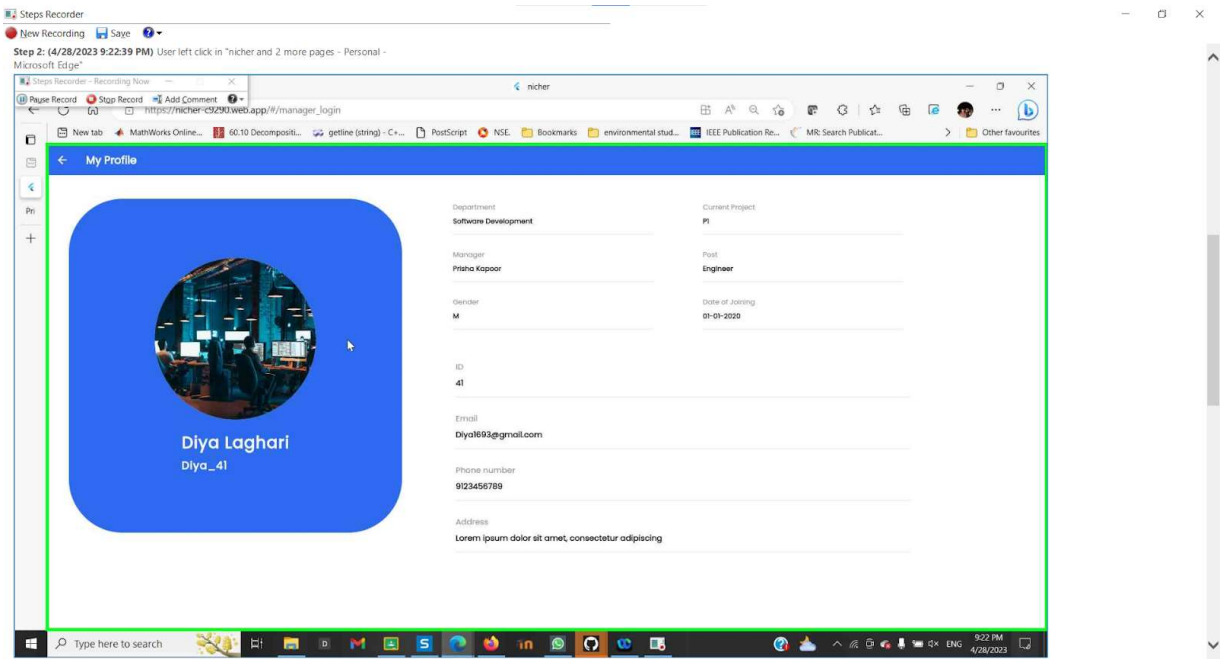

Steps Recorder
New Recording
Save
Pause Record
Stop Record
Add Comment
nicher
https://nicher-c9290.web.app/#/manager_login
Diya Laghari
Pranav Purohit
Arnav Khurana
Aarohi Chawla
Darsh Das
Aadhya Purohit
Iraa Thakur
Arjun Biswas
Veer Ahluwalia
Raj
Yo
Ram
Ramananda
View More
Type here to search
ENG
9:06 PM
4/28/2023

Requirement 8: Manager can view Employee details

Actuality: Manager can see Employee profile clicking on “view more” besides the employee name on “Employee Lists Page”

Result: Pass

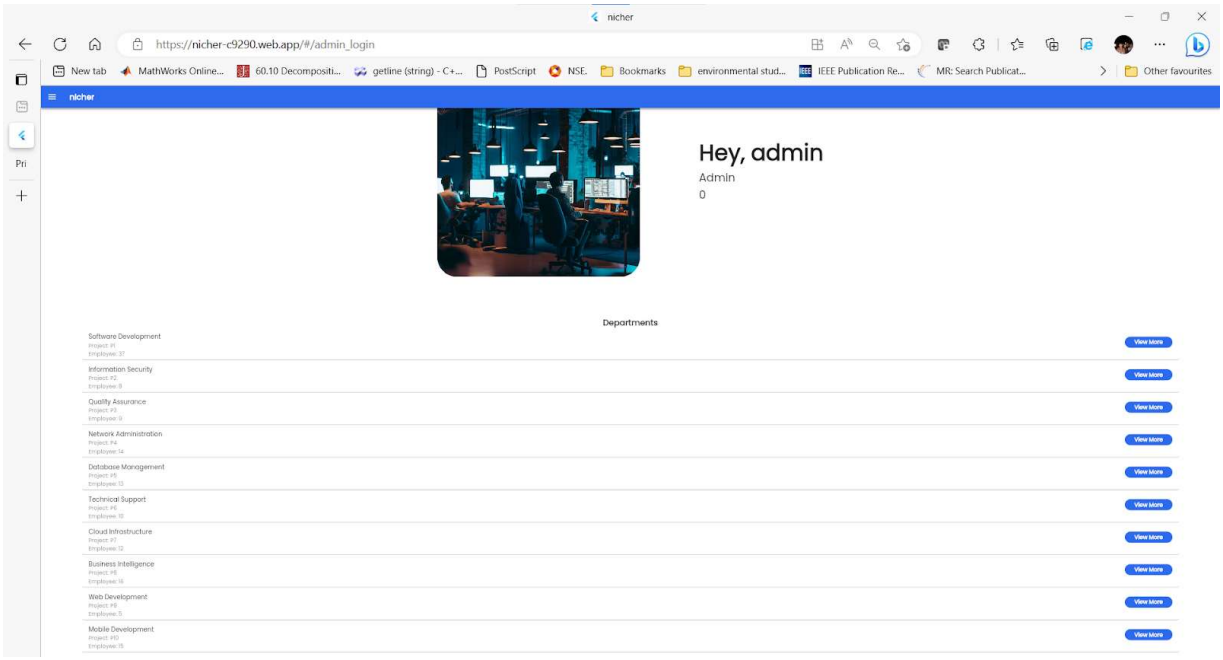




Requirement 9: Admin can see departments

Actuality: departments visible on Homepage

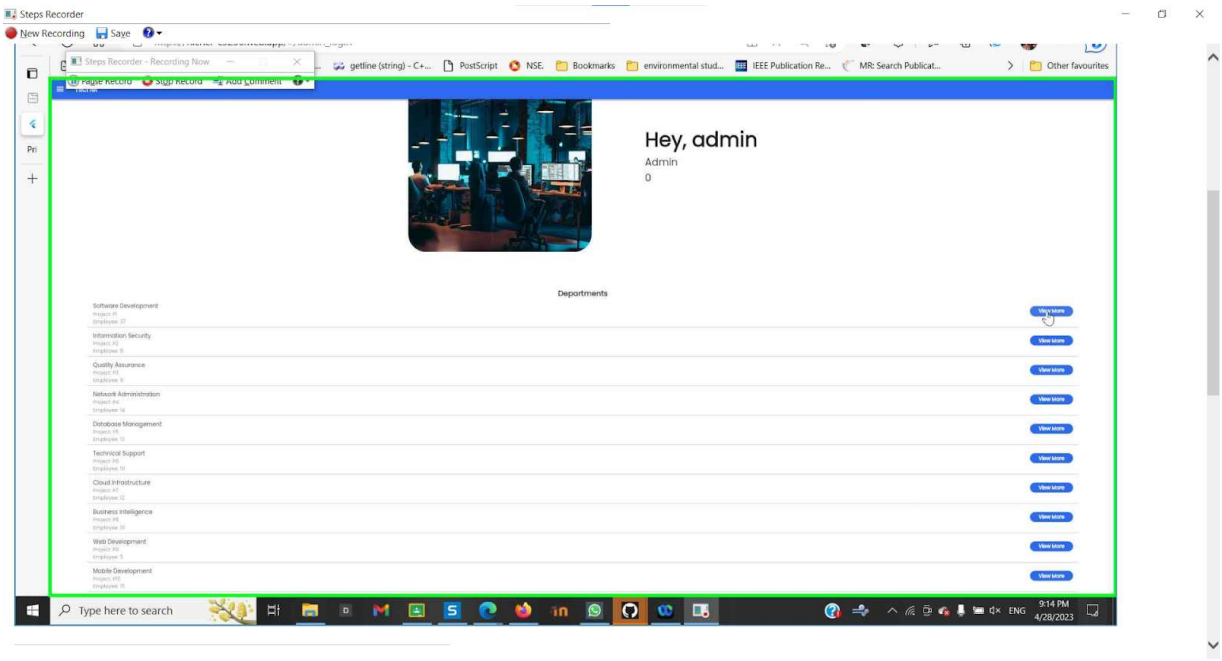
Result: Pass

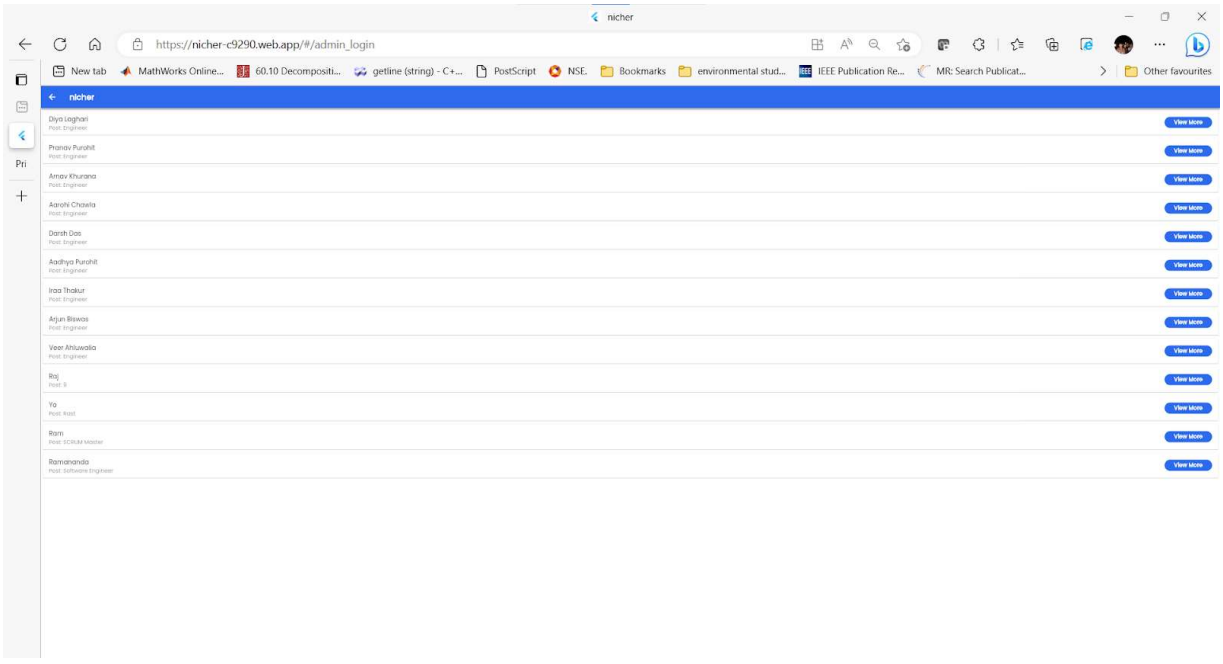


Requirement 10: Admin can see Employees in a department

Actuality: Admin can access employees in a department clicking on viewmore

Result: Pass



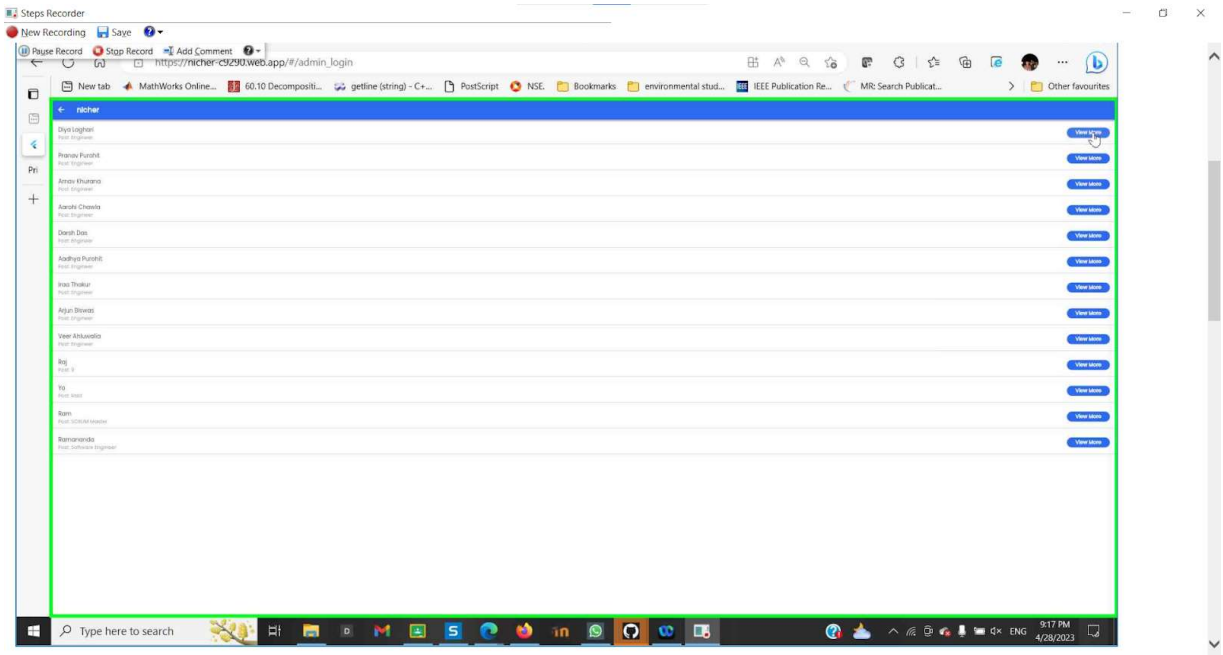


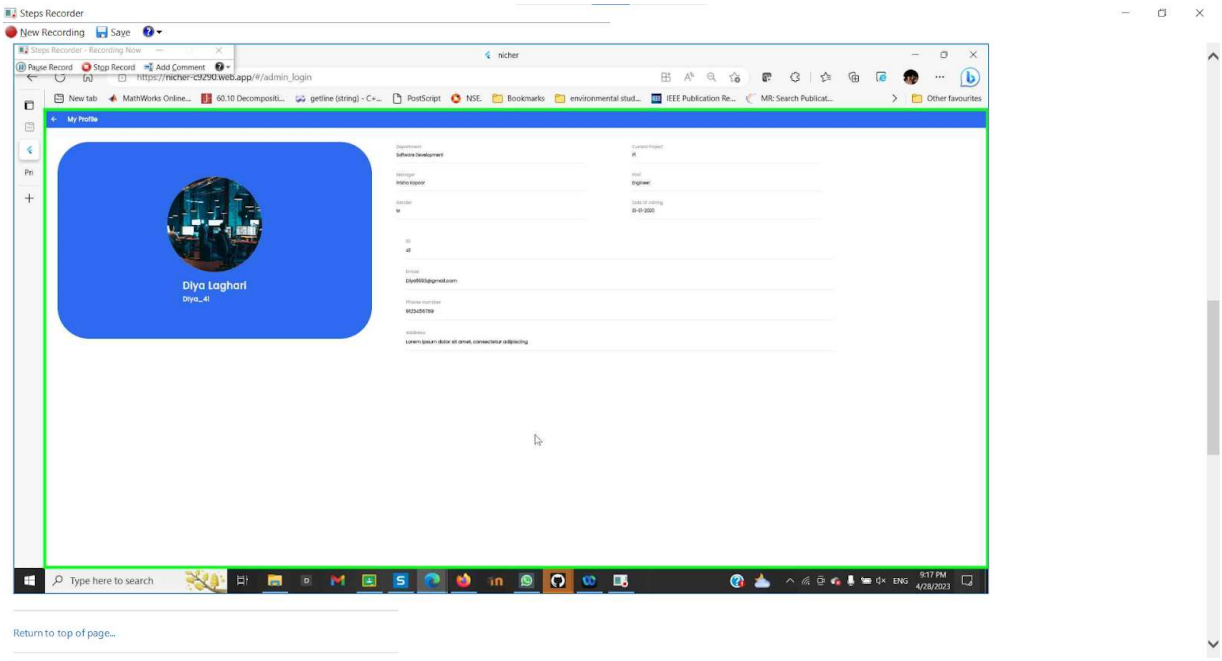
Requirement 11: Admin can see employee details

Actuality: Admin can see employee profile by clicking on “View More” besides the employee name visible on the “Employee Details Screen” of a department.

Result: Pass

Snapshots:





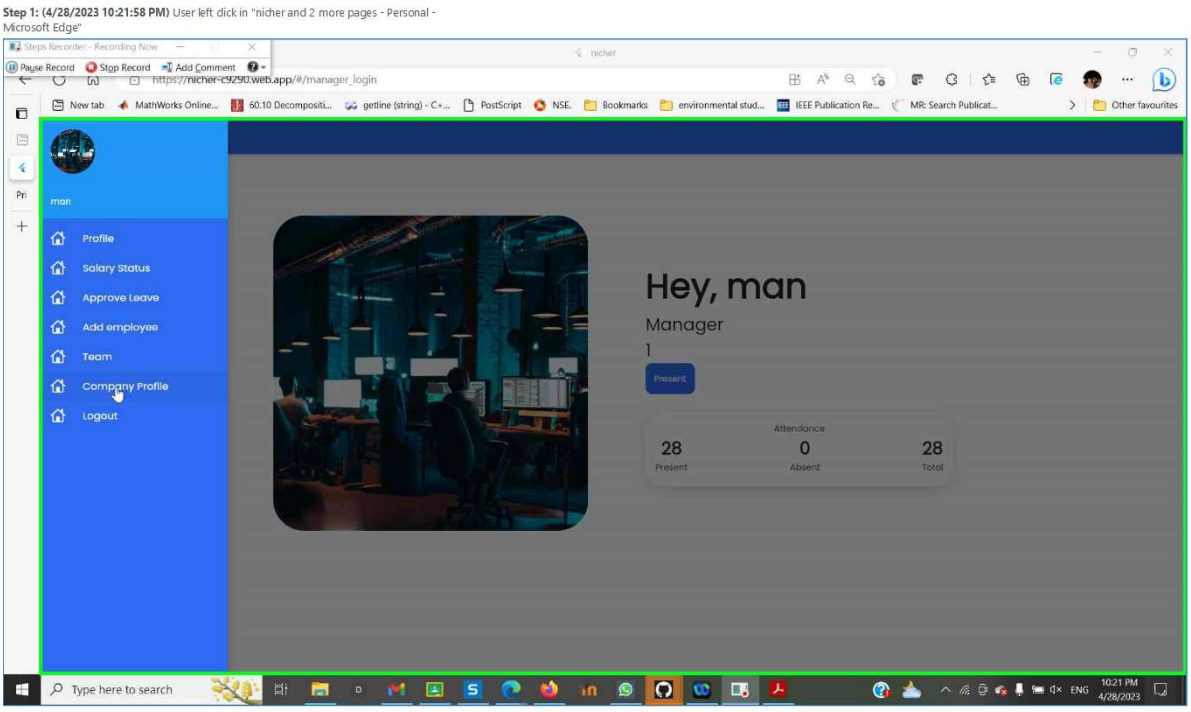
Return to top of page...

Requirement 12:Users can see Profile details

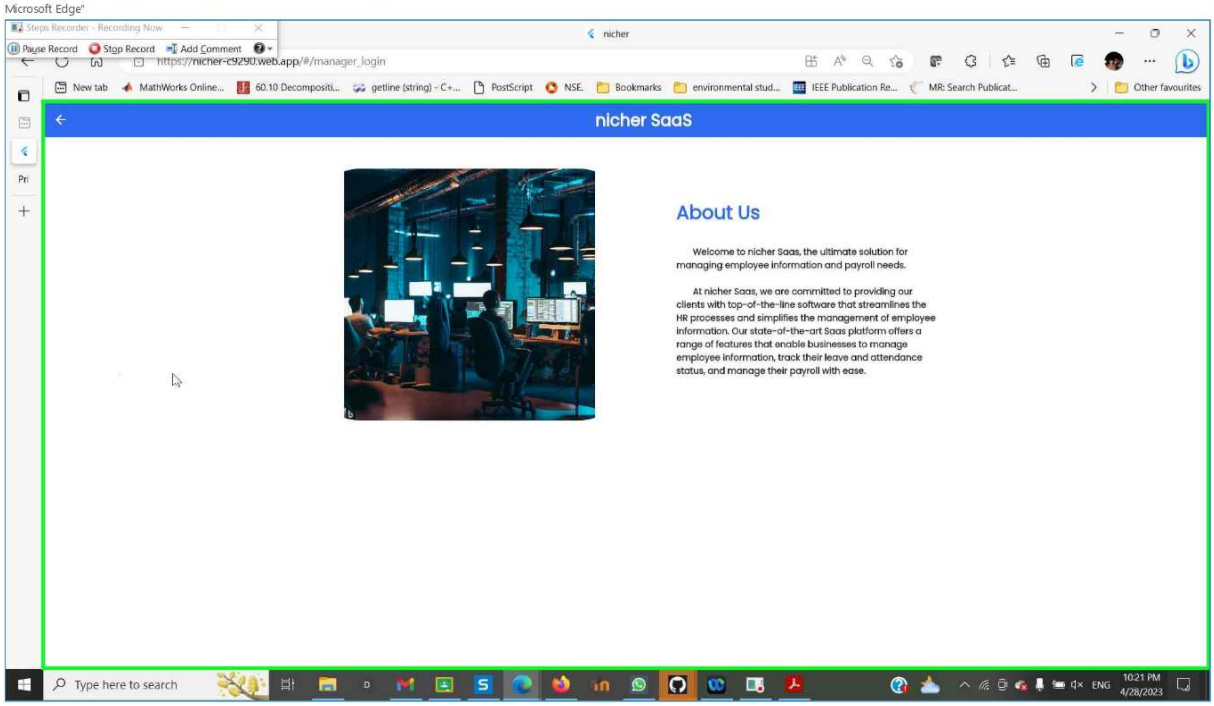
Actuality: Any logged in user is able to view the company profile clicking on the “Company Profile”: tab.

Result: Pass

Snapshots:



Step 2: (4/28/2023 10:21:59 PM) User left dick in "nicher and 2 more pages - Personal - Microsoft Edge"



—----------Thank You—----------